

FROM KEVIN L. MCKNIGHT
LEGAL DEPARTMENT
PITTSBURGH OFFICE-13

TO DISTRIBUTION

March 20, 1989

RE: ASBESTOS ASSESSMENT REPORT-ALLEGHENY CENTER

Enclosed is a copy of an Asbestos Assessment Report for Allegheny Center which was prepared by Schneider Engineers for Sitomer and Drexler, P.C., a law firm apparently retained by the owners of Allegheny Center. The owners of Allegheny Center claim that Alcoa has responsibility to abate the asbestos situation at Allegheny Center. We will be meeting with them probably in the next couple of weeks to discuss this matter. I would appreciate any comments you might have to the Schneider Report. Also if you know of someone else who should review the report, please pass it along to them. Thanks for your assistance.

Kevin L. McKnight/jj

KEVIN L. MCKNIGHT

KLM:jj
402KLM

Distribution

Gary J. Crouth, Pittsburgh - 19
Laura L. Rippey, Pittsburgh - 6
George R. Farneth, Pittsburgh - 20



Shenandoah P.L. & Co. Inc.

**SCHNEIDER
ENGINEERS**

January 13, 1989

Mr. Dan Sitomer
Sitomer and Drexler, P.C.
185 Madison Avenue
New York, NY 10016

SUBJECT: ASBESTOS ASSESSMENT REPORT

Dear Mr. Sitomer:

Enclosed please find the report for the asbestos assessment of the Allegheny Center. This report documents the findings and recommendations of the asbestos survey conducted by Schneider Engineers on December 21 and 28, 1988 and January 4 and 5, 1989.

Please note that not all of the laboratory analysis reports are included. As soon as we receive them, we will forward them to you.

After reviewing the assessment report, please contact our office if you have any questions or require additional assistance. I am available to review the report and findings with you in greater detail if you desire.

Sincerely,

SCHNEIDER ENGINEERS

Kimberly S. Higby

Kimberly S. Higby, IHIT
Project Industrial Hygienist

Frank J. Pokrywka/KSH

Frank J. Pokrywka, CIH
Senior Industrial Hygienist

KSH:ksh

Enclosure

cc: P.L. Spence - SE
880474.01/SD



ASBESTOS ASSESSMENT REPORT

**ALLEGHENY CENTER
PITTSBURGH, PENNSYLVANIA**

JANUARY 1989

Prepared By:

**SCHNEIDER ENGINEERS
98 Vanadium Road
Bridgeville, Pennsylvania 15017**

Prepared For:

**ALLEGHENY CENTER ASSOCIATES
c/o Sitomer and Drexler
185 Madison Avenue
New York, New York 10016**

TABLE OF CONTENTS

<u>TOPIC</u>	<u>SECTION NO.</u>
INTRODUCTION	1
ASSESSMENT RESULTS AND DISCUSSION	2
DISCUSSION OF ASBESTOS ABATEMENT OPTIONS	3
COST ESTIMATES FOR ASBESTOS ABATEMENT	4
ASSESSMENT CONCLUSIONS AND RECOMMENDATIONS	5

TABLES

- TABLE I: Asbestos Assessment Summary
- TABLE II: Asbestos Bulk Sample Results
- TABLE III: Asbestos Air Sample Results

APPENDICES

- APPENDIX A: Laboratory Analysis Reports
- APPENDIX B: One Allegheny Center Drawings
- APPENDIX C: Two Allegheny Center Drawings
- APPENDIX D: Three Allegheny Center Drawings
- APPENDIX E: Seven Allegheny Center Drawings
- APPENDIX F: Eight Allegheny Center Drawings
- APPENDIX G: Ten Allegheny Center Drawings

1. INTRODUCTION

Schneider Engineers (SE) was retained by Sitomer and Drexler to conduct an asbestos assessment of the Allegheny Center Complex located in Pittsburgh, Pennsylvania.

This assessment was conducted to identify the location of asbestos containing materials inside six (6) buildings at Allegheny Center. The assessment entailed a thorough site inspection and collection of bulk samples. Bulk samples of suspect materials were collected to verify asbestos content, type and percentage. The physical condition of suspect materials were visually inspected and quantities estimated. A summary of the asbestos assessment findings are listed in Table I. Air samples were also collected to determine existing total airborne fiber concentrations under normal operating conditions.

The asbestos assessment was conducted on December 21 and 28, 1988 and January 4 and 5, 1989 by Kimberly Higby, Project Industrial Hygienist and Barbara McKenna, Industrial Hygienist under the supervision of Frank Pokrywka, CIH, Senior Industrial Hygienist.

The following report is a summary of SE's investigation and findings from the asbestos assessment of Allegheny Center.

2. ASSESSMENT RESULTS AND DISCUSSIONS

A visual inspection of Allegheny Center was completed to identify the location of materials suspected of containing asbestos. This survey included inspection of mechanical systems (i.e., plumbing, heating, ventilation, and air conditioning); building structure (i.e., masonry, siding and roof); and architectural finishes (i.e., plaster, floor and ceiling tile). Bulk samples of suspect materials were collected for the laboratory determination of asbestos content, and the physical condition and amounts of suspect materials were recorded.

Based on the results of the bulk sample analysis and SE's visual inspection, friable asbestos-containing materials were identified as sprayed-on fireproofing, and as thermal insulation on pipes, equipment and fittings. This material was present in the following approximate amounts:

Sprayed-on Fireproofing	733,650 sq. ft.
Pipe Insulation	50 ft.
Equipment Insulation	1,090 sq. ft.
Fitting Insulation	4,477 fittings

Non-friable ACM was found to be present as approximately 495,880 square feet of vinyl asbestos floor tile (VAT), 3,520 square feet of transite wall panels and one ventilation duct connector. In addition, asbestos floor tile may have been present under carpeting in some areas which could not be inspected. All 9" floor tile at the complex should be assumed to be VAT until further sampling determines otherwise.

Even though the floor tile, transite panels and duct connector are asbestos-containing materials, they do not pose a significant airborne fiber exposure hazard. Materials that are non-friable cannot be crushed or pulverized to powder by hand pressure. For this reason, the material is unlikely to release airborne asbestos fibers under normal conditions. In addition, the non-friable asbestos materials were noted to be in good condition which further reduces their fiber release potential.

A detailed summary of the location, amounts, and condition of the above materials are presented in Table I. This summary reflects the results of SE's visual inspection and our understanding of the building mechanical systems. Table I should be considered as a listing and description of the majority of asbestos-containing materials present in the building. However, additional insulating and fireproofing materials may be present inside the building which were concealed in shafts or above plaster ceiling areas and not accessible during this survey.

A narrative description of the survey results and observations is provided in Appendix I (attached).

Bulk Sampling Results

A total of 126 bulk samples of suspect asbestos containing materials were collected and the analytical results listed in Table II. Two (2) of these bulk samples were quality assurance samples with duplicates submitted to a separate laboratory.

Bulk samples were analyzed for asbestos content by Camtech, Inc. of Pittsburgh, PA. The two (2) quality assurance samples were analyzed by DeYor Laboratories of Youngstown, Ohio. Samples were analyzed according to current EPA Polarized Light Microscopy protocols for bulk asbestos materials as described in EPA Publication 600/M4-82-020, December, 1982. Both laboratories are rated as proficient in the NIOSH Proficiency Analytical Testing (PAT) Program.

Air Sampling Results

Air samples were collected in Buildings 1, 2, 3, 8, and 10 during the visual inspection of these buildings. Air samples were not collected in Building 7 since there were not any vacant apartments available to access. This sampling was conducted to determine the existing airborne fiber concentrations present under normal operating conditions of each building.

Four (4) air samples each were collected in vacant tenant spaces of Buildings 1 and 2, except for one occupied area (i.e., Second Floor of Building 2). In addition, air samples were collected in three (3) vacant apartments in Building 3, and in two (2) vacant apartments each in Buildings 8 and 10.

All fifteen (15) of the air samples collected were well below the OSHA Permissible Exposure Limit (PEL) of 0.2 fibers per cubic centimeter of air sampled (f/cc) and the OSHA Action Level of 0.1 f/cc. The measured total fiber concentrations ranged from 0.001 f/cc to 0.007 f/cc.

The air samples were analyzed by Camtech, Inc. using Phase Contrast Microscopy (PCM). The PCM method provides a quantification of the airborne concentration of all fibers having a length greater than five (5) microns, a length-diameter ratio of at least 3 to 1, and a width greater than approximately 0.2 microns. This method does not provide an identification of fiber type (i.e., asbestos vs. non-asbestos); to do this would require electron microscopy analysis. Given the extremely low total fiber concentration encountered during this survey, this additional analysis is not warranted at this time in our opinion.

3. DISCUSSION OF ASBESTOS ABATEMENT OPTIONS

The asbestos containing material of greatest concern, which appears to have the highest potential to generate airborne asbestos fibers is the structural steel and deck fireproofing. Additional items of concern include the damaged mechanical system insulations. As you may be aware, there are currently several asbestos abatement options available to address such concerns. Each option must be evaluated on the basis of the comparative advantages and disadvantages, as well as short and long-term cost factors. Because of the complexities and details required to adequately review this issue, a complete discussion is not attempted in this report. This issue may be presented in a more comprehensive fashion for your review at a later date.

For the purposes of this report, the asbestos abatement options typically considered to be feasible for these materials are the following:

1. Removal and replacement
2. Encapsulation with a penetrating encapsulant
3. Long-term Management

*May make eventual removal
make difficult. may cause separation of rock from ceiling.*

In my view, the best option

*if provisions for removal
in conjunction w/
planned renovation*

The initial option, removal and replacement, provides a final solution to the current concern and virtually eliminates any potential for future asbestos problems, providing the work is completed in a proper and safe manner. Complete removal of the material will have a higher short-term cost, that is offset to a great extent by the elimination of long-term costs such as periodic inspection and air monitoring, establishment of an asbestos operations and maintenance program to include provisions for episode response, liability from potential exposure to future tenants and/or building users, and the future re-encapsulation or removal that may be required.

In situations where a complete interior renovation is planned, the removal option should be considered as the most effective solution.

The second option, encapsulation, provides what is currently considered to be a short-term or temporary solution. If the proper encapsulant is used and applied correctly, this treatment has been shown to minimize or eliminate fallout from fireproofing and provides some degree of surface protection from damage resulting from incidental contact. However, the duration of effectiveness is dependent upon the continued adhesion of the fireproofing to the substrate, frequency and type of contact with the fireproofing, building vibration, and potential erosion of the encapsulating layer by air flow. Since the asbestos material still remains in place, a long-term asbestos operations and maintenance program is required. This program would include periodic inspection and air monitoring, provisions for the use of protective equipment and procedures to minimize occupant or worker exposure in situations when the fireproofing is removed or disturbed. An episode response plan to handle incidents in which the asbestos containing fireproofing is extensively damaged or delineates from the substrate would also be required.

Frequently the extra weight of the encapsulant causes separation of sprayed or mtl. from substrate

Allegany Co may require certified removal person even for small removal jobs

In evaluating costs, it should be recognized that the same procedures and abatement practices followed in asbestos removal operations for the protection of other areas in the building and building occupants are also required to be utilized during encapsulation projects.

To further reduce potential risks that may be presented by damage to the encapsulated fireproofing, it would be our recommendation that consideration be given to the installation of a ducted return air system, as opposed to an open ceiling plenum. The use of a splined or otherwise secured ceiling design would also be recommended when redesigning areas that have been treated by encapsulation.

Return air that I saw in AMIS areas was within ducts. Check with John Cunningham to see if this is true for - 6 - AMIS occupied floor 5 of 2 Allegheny Ctr.

Would this be compatible w/ AMIS need to use above ceiling space for wiring which is modified on a frequent basis?
880474.01/SD
ASK John Cunningham

This wouldn't eliminate the types of problems I saw in the AMIS Area where electrical box installation required cutting through decking & disturbing ceiling or where too clips were installed on I beams to support heavy wires. Both of these jobs required removal of small area of sprayed on material.

A third option is to defer abatement of the structural fireproofing and complete only that asbestos clean-up and decontamination necessary for operations and maintenance, or minor renovation to prepare a space for the new tenant. This option has the advantage of avoiding the expenses and loss of use associated with asbestos removal or encapsulation. With such deferment of asbestos abatement (i.e., removal or encapsulation), the establishment of a Long-Term Asbestos Management Program (AMP) is recommended. This AMP should include the following:

*This gives
Alcoa and other
tenants the
ability to
manage the
asbestos and
coordinate removal
with other planned
renovation. Potentially
less disruptive.*

*While management
plans are not
required for structures
other than schools
under current law
they are the proper
and responsible
way to proceed*

1. Designate an Asbestos Control Manager to supervise and coordinate all activities related to asbestos, including, but not limited to:
 - a. Documenting the location of and labeling asbestos containing materials, as required.
 - b. Monitoring the condition of asbestos.
 - c. Coordinating required education and training activities.
 - d. Reviewing and approving plans for maintenance and/or contract work that involves asbestos removal or may otherwise disturb asbestos.
 - e. Maintaining records and documentation of asbestos-related activities.
 - f. Assuring compliance with applicable Occupational Safety and Health Administration (OSHA), Environmental Protection Agency (EPA), Pennsylvania Department of Environmental Resources (PaDER) and Allegheny County Health Department (ACHD) asbestos regulations and policies.

2. Minimize access and exposure to asbestos by informing all maintenance and custodial employees of the known locations of asbestos, provide training on safe work practices and establishing a maintenance permit system to prevent the accidental disturbance of asbestos during building maintenance and renovation, and further ensuring that any work that will involve asbestos be conducted utilizing appropriate work practices.

3. Provide annual education and training for all employees who may be required to contact or handle asbestos. This training would include the measures necessary to minimize exposure, the potential health effects of asbestos exposure, the proper use of protective equipment and respirators, personal hygiene, the use of maintenance permits, reporting procedures, compliance with OSHA, EPA, PaDER and ACHD regulations, and the use of special equipment such as HEPA-filtered vacuums.

PA DER
Pennsylvania Department
of Environmental
Resources

ACHD - Allegheny Co.
Health Dept.

4. Procure equipment and supplies required to handle asbestos safely in the event of an accident releasing or damaging asbestos-containing materials or for planned maintenance work that may require the removal of small amounts of asbestos. This equipment would include, but not be limited to, a HEPA (high-efficiency) asbestos vacuum cleaner, six-mil thick asbestos disposal bags and plastic, NIOSH approved respirators for asbestos, disposable coveralls, water spray equipment, wetting agents, and encapsulant.

*It has been recommended that
also use only HEPA vacs in Allegheny
Co. Several brands have been recommended*

Removal encapsulants?

5. Provide asbestos medical surveillance examinations for any employees who may be required to work with asbestos and wear respiratory protection. These examinations should be administered following OSHA requirements.

*Unless employees are exposed at levels
greater than OSHA action level for ≥ 30
days / year they would not be required to
be a part - 8 - of asbestos medical
surveillance however anyone wearing a
respirator would need to be evaluated for their ability →*

880474.01/SD

6. Establish a periodic monitoring and surveillance program. Building vibration, damage to materials from accidental or mechanical contact, and aging of materials may increase the potential for asbestos release.

This program should include air monitoring in areas containing asbestos, at least annually; visual inspection of asbestos-containing materials to document any changes in their condition, at least semi-annually; and periodic air monitoring of employees who may be removing or handling asbestos (initially and periodically thereafter).

7. All future mechanical equipment maintenance, replacement, or renovation should include plans and contingencies for handling asbestos removal in a safe manner, prior to the start of the project.

This should include
electrical maintenance
of the type done

by Alcoa

electrical contractors

In this case

Alcoa may also

want to arrange

for the removal of

asbestos from small areas

where it would be

disturbed during their work

In summary, the three main objectives to be considered in evaluating asbestos abatement techniques, include hazard abatement, cost containment (or effectiveness), and time constraints. The following is a comparison of the abatement options discussed above for asbestos-containing materials based on these project objectives:

	<u>Removal and Replacement</u>	<u>Encapsulation</u>	<u>Deferred Action (AMP)</u>
1. Hazard Abatement	Eliminates future hazard.	Manages future hazard.	Attempts to minimize future hazard.
2. Cost Containment	Initial cost higher than encapsulation, no antici- pated future costs.	Initial cost lower than removal, future costs may be signi- ficant.	Minimal immediate cost, potentially high future cost.
3. Time Factor	May require 50-100% more time to complete than encapsulation.	---	Time is not a factor.

Less disruptive
to ongoing use
of space

allows for planning
of removal to
be compatible
with business
activities & plans

Better and safer
albeit more expensive
removal methods
are available now
than pre '86 OSHA
law. There may be
further improvements.

4. COST ESTIMATES FOR ASBESTOS ABATEMENT

Asbestos abatement costs typically are subject to a wide variety of influences, such as accessibility and nature of the material to be removed, location of the material, accessibility to the work site, and fluctuations in labor and insurance costs. Due to the high degree of care required to remove asbestos safely, abatement costs are far in excess of normal construction/renovation costs.

When evaluating the cost of asbestos abatement, it is necessary to consider other construction and related costs. To adequately remove or treat spray-applied fireproofing, it is necessary to vacate the work area, remove equipment and furnishings to the greatest extent feasible, and remove the suspended ceiling system and mechanical systems to provide adequate access to the material. This results in significant additional expense in relocation of occupants, interior demolition, and reconstruction. Likewise, the removal of asbestos-containing pipe insulation in shafts, restrooms and water closets may require a significant amount of demolition to provide the required access.

In addition to the above, after removing fireproofing, the application of a replacement material is required to assure proper fire protection and compliance with building codes. Reinsulation of piping and mechanical systems also incurs an additional cost.

These additional construction, renovation, and replacement costs are not included in the abatement estimates for this study.

The following is a summary of estimated construction costs for the removal of asbestos-containing materials identified in the

Allegheny Center. To prepare these estimates, the accessibility of the material and difficulty of removal was taken into consideration. Contractor bids for completing such work should be based upon a common technical specification, definition of scope of work and a mandatory visual inspection of each area. The cost of encapsulation would be slightly lower than the cost of removal. These costs should be considered as a baseline for planning purposes.

<u>Area</u>	<u>Material</u>	<u>Quantity</u>	<u>Estimated Removal Cost</u>
Building 1	Fireproofing	182,800 ft. ²	\$1,828,000
	Pipe Insulation	50 ft.	\$ 1,000
	Fitting Insulation	1316 fittings	\$ 69,680
	Tank Insulation	210 ft. ²	\$ 5,250
	VAT	148,000 ft. ²	<u>\$ 592,000</u>
			TOTAL: \$2,495,930
Building 2	Fireproofing	549,800 ft. ²	\$5,498,000
	Fitting Insulation	85 + fittings	\$ 2,550
	VAT	260,000 ft. ²	<u>\$1,040,000</u>
			TOTAL: \$6,540,550
Building 3	Fitting Insulation	463 fittings	\$ 20,450
	Tank Insulation	440 ft. ²	\$ 11,000
	VAT	16,350 ft. ²	<u>\$ 65,400</u>
			TOTAL: \$ 96,850
Building 7	Fireproofing	524 ft. ²	\$ 16,200
	VAT	27,520 ft. ²	\$ 110,080
	Transite	1,760 ft. ²	<u>\$ 7,040</u>
			TOTAL: \$ 133,320
Building 8	Fireproofing	500 ft. ²	\$ 15,000
	VAT	27,520 ft. ²	\$ 110,080
	Transite	1,760 ft. ²	<u>\$ 7,040</u>
			TOTAL: \$ 132,120

It should not be necessary to take any action regarding Vinyl Asbestos Tile (VAT). Potential for exposure is Nil except in the case of a fire where all the vinyl matrix might be burned, resulting in the release of fibers.

<u>Area</u>	<u>Material</u>	<u>Quantity</u>	<u>Estimated Removal Cost</u>
Building 10	Fitting Insulation	702 fittings	\$ 32,260
	Tank Insulation	440 ft. ²	\$ 11,000
	VAT	16,490 ft. ²	\$ 65,960
		TOTAL:	\$ 109,220
Mall	Fitting Insulation	1,911 fittings	\$ 79,950
		GRAND TOTAL:	<u>\$9,587,940</u>

5. CONCLUSIONS AND RECOMMENDATIONS

1. As presented in ⁱⁿ Table I, few areas inspected for ACM by SE were found to be poor condition. All of the areas listing fair asbestos conditions involved damaged thermal insulation. To minimize potential asbestos fiber exposure during building operations and maintenance, the following minimal asbestos abatement is recommended as soon as practicable:

a. Repair damaged pipe fittings in the following areas:

1. Building 1 Mechanical Room and Penthouse
2. Building 2 Mechanical Rooms (Basement & Third Floor)
3. Building 3 Mechanical Room
4. Building 10 Mechanical Room and Package Room
5. Mall Mechanical Areas

- b. Remove fireproofing in Building 2 Third Floor air shaft at the earliest convenience due to high potential for disturbance by air movement.

2. Under normal operating conditions, additional asbestos abatement at the Allegheny Center should be limited to whatever fireproofing, or thermal insulation removal or cleanup necessary to facilitate maintenance or renovation activity. Decontamination of ceiling tiles should be completed prior to planned maintenance work when dislodged fireproofing is evident. Area containment enclosures and personnel protective equipment should be utilized whenever extensive cleanup or disturbance of asbestos-containing materials is possible during maintenance work.

Have air samples been taken in this area?

3. Allegheny Center should establish an operations and maintenance program for dealing with asbestos-containing materials and maintaining them in good condition. This program should include periodic training for all employees required to work with or around asbestos insulation, or fireproofing. These employees should be medically evaluated, trained, and equipped to deal with routine or emergency situations involving asbestos-containing materials. The basic requirements of an Asbestos Management Plan are presented elsewhere in this report.

Maintenance and engineering employees should utilize asbestos precautions unless they are certain an insulating or construction material is non-asbestos. Wet removal techniques and respirators should be used for all work involving fireproofing or asbestos pipe and fitting insulation, particularly on older equipment. Deteriorated fireproofing, or insulation should be repaired or removed at the earliest planned opportunity. Additional bulk sampling of fitting insulation in several areas may be necessary to more thoroughly characterize asbestos content. Asbestos insulating materials, once identified, should be labeled or marked in some way if they are not to be removed.

4. As part of any major renovation or maintenance project requiring the removal of the suspended ceiling or modification of a mechanical system, asbestos decontamination, minor removal, and/or building protection, may be required. Such requirements should be adequately evaluated and designed by a competent person, and the abatement completed by a contractor licensed by the ACHD to perform asbestos abatement.

Any and all work that may result in exposure to or disturbance of asbestos-containing materials must be completed in compliance with applicable Federal, State and Allegheny County Health Department regulations.

5. The potential for airborne fiber release and exposure due to non-friable asbestos material is minimal. Removal of this non-friable ACM is not recommended unless required for maintenance, repair, or renovation activity. Operations that may cause fiber release (i.e., sanding, drilling, etc.). Should be avoided without proper precautions.
6. The results of the air samples collected were well below the OSHA PEL of 0.2 fibers/cc and Action Level of 0.1 f/cc, and indicate that these ambient concentrations should not cause adverse health effects to the occupants of the areas monitored.

→ Were all air samples below the action level or were some above 0.1 f/cc?

TABLE I

ASBESTOS-CONTAINING MATERIALS AND QUANTITIES

TABLE 1A
ASBESTOS ASSESSMENT SUMMARY
ONE ALLEGHENY CENTER

Floor	Location of ACM	Description of ACM	Friability of ACM	Estimated Size/Diam.	Estimated Quantity of ACM	General Condition of ACM	Estimated Cost for Removal	Comments
Basement	Mechanical Room	Tank Insulation	Friable	5 Tanks	210 ft. ²	Good	\$ 5,250	
Basement	Mechanical Room	Pipe Insulation	Friable	10"	50 ft.	Good	\$ 1,000	High Pressure Steam Lines
Basement	Mechanical Room	Fitting Insulation	Friable	3-12"	280 fittings	Good-Fair	\$ 7,000	Fittings on all fiberglass insulated pipes; some damaged
Basement	Throughout remaining area	Fitting Insulation	Friable	3-8"	300 fittings	Good	\$ 7,500	Fittings on all fiberglass insulated pipes; some damaged. Above drop ceiling
Basement	Throughout	Sprayed-on Fireproofing	Friable	N/A	18,000 ft. ²	Good	\$180,000	Located on beams; some over-spray on decking
First Floor	Wet Columns	Fitting Insulation	Friable	3-5"	130 fittings	N.D.	\$ 3,900	Five fittings in each column; accessible through panels. Hot water lines
First Floor	Pipe Chase	Fitting Insulation	Friable	3-5"	10 fittings		\$ 500	
First Floor	Exterior Canopy	Roof Drain Insulation	Friable	5-8"	23 fittings	N.D.	\$ 1,150	Not easily accessible
First Floor	Exterior Canopy	Fitting Insulation	Friable	4"	95 fittings	N.D.	\$ 4,750	Not easily accessible; Hot water supply lines
First Floor	Throughout	Sprayed-on Fireproofing	Friable	N/A	12,700 ft. ²	Good	\$127,000	Located on beams; some over-spray on decking
First Floor	Throughout	Floor Tile	Non-friable	N/A	12,000 ft. ²	Good	\$ 48,000	Quantity based on architectural drawings
Second Floor	Throughout	Sprayed-on Fireproofing	Friable	N/A	18,000 ft. ²	N.D.	\$180,000	Located on beams; some over-spray on decking

TABLE 1A
ASBESTOS ASSESSMENT SUMMARY
ONE ALLEGHENY CENTER

Floor	Location of ACM	Description of ACM	Friability of ACM	Estimated Size/Diam.	Estimated Quantity of ACM	General Condition of ACM	Estimated Cost for Removal	Comments
Second Floor	Wet Columns	Fitting Insulation	Friable	3-5"	130 fittings	N.D.	\$ 3,900	Five fittings in each column; accessible through panels
Second Floor	Pipe Chase	Fitting Insulation	Friable	3-5"	10 fittings	N.D.	\$ 500	
Second Floor	Throughout	Floor Tile	Non-friable	N/A	17,000 ft. ²	Good	\$ 68,000	Quantity based on architectural drawings
Third Floor	Throughout	Sprayed-on Fireproofing	Friable	N/A	18,000 ft. ²	N.D.	\$180,000	Located on beams; some over-spray on decking
Third Floor	Wet Columns	Fitting Insulation	Friable	3-5"	130 fittings	N.D.	\$ 3,900	Five fittings in each column accessible through panels
Third Floor	Pipe Chase	Fitting Insulation	Friable	3-5"	10 fittings	N.D.	\$ 500	
Third Floor	Throughout	Floor Tile	Non-friable	N/A	17,000 ft. ²	Good	\$ 68,000	Quantity based on architectural drawings
Fourth Floor	Throughout	Sprayed-on Fireproofing	Friable	N/A	18,000 ft. ²	N.D.	\$180,000	Located on beams; some over-spray on decking
Fourth Floor	Wet Columns	Fitting Insulation	Friable	3-5"	130 fittings	N.D.	\$ 3,900	Five fittings in each column accessible through panels
Fourth Floor	Pipe Chase	Fitting Insulation	Friable	3-5"	10 fittings	N.D.	\$ 500	
Fourth Floor	Throughout	Floor Tile	Non-friable	N/A	17,000 ft. ²	Good	\$ 68,000	Quantity based on architectural drawings
Fifth Floor	Throughout	Sprayed-on Fireproofing	Friable	N/A	18,000 ft. ²	N.D.	\$180,000	Located on beams; some over-spray on decking
Fifth Floor	Wet Columns	Fitting Insulation	Friable	3-5"	130 fittings	N.D.	\$ 3,900	Five fittings in each column accessible through panels

TABLE 1A
ASBESTOS ASSESSMENT SUMMARY
ONE ALLEGHENY CENTER

Floor	Location of ACM	Description of ACM	Friability of ACM	Estimated Size/Diam.	Estimated Quantity of ACM	General Condition of ACM	Estimated Cost for Removal	Comments
Fifth Floor	Pipe Chase	Fitting Insulation	Friable	3-5"	10 fittings	N.D.	\$ 500	
Fifth Floor	Throughout	Floor Tile	Non-friable	N/A	17,000 ft. ²	Good	\$ 68,000	Quantity based on architectural drawings
Fifth Floor	Suite 500	Fitting Insulation	Friable	3-5"	18 fittings	Good	\$ 700	Domestic water lines from wet column to sink; above drop ceiling
Sixth Floor	Throughout	Sprayed-on Fireproofing	Friable	N/A	18,000 ft. ²	N.D.	\$180,000	Located on beams; some over-spray on decking
Sixth Floor	Wet Columns	Fitting Insulation	Friable	3-5"	130 fittings	N.D.	\$ 3,900	Five fittings in each column accessible through panels
Sixth Floor	Pipe Chase	Fitting Insulation	Friable	3-5"	10 fittings	N.D.	\$ 500	
Sixth Floor	Throughout	Floor Tile	Non-friable	N/A	17,000 ft. ²	Good	\$ 68,000	Quantity based on architectural drawings
Seventh Flr.	Throughout	Sprayed-on Fireproofing	Friable	N/A	18,000 ft. ²	N.D.	\$180,000	Located on beams; some over-spray on decking
Seventh Flr.	Wet Columns	Fitting Insulation	Friable	3-5"	130 fittings	N.D.	\$ 3,900	Five fittings in each column accessible through panels
Seventh Flr.	Pipe Chase	Fitting Insulation	Friable	3-5"	10 fittings	N.D.	\$ 500	
Seventh Flr.	Throughout	Floor Tile	Non-friable	N/A	17,000 ft. ²	Good	\$ 68,000	Quantity based on architectural drawings
Seventh Flr.	Suite 720 and 770 and Women's Restroom	Fitting Insulation	Friable	3-5"	28 fittings	Good	\$ 1,120	Hot water lines above drop ceiling

TABLE 1A
ASBESTOS ASSESSMENT SUMMARY
ONE ALLECHENY CENTER

Floor	Location of ACM	Description of ACM	Friability of ACM	Estimated Size/Diam.	Estimated Quantity of ACM	General Condition of ACM	Estimated Cost for Removal	Comments
Eighth Flr.	Throughout	Sprayed-on Fireproofing	Friable	N/A	18,000 ft. ²	N.D.	\$180,000	Located on beams; some over-spray on decking
Eighth Flr.	Wet Columns	Fitting Insulation	Friable	3-5"	130 fittings	N.D.	\$ 3,900	Five fittings in each column accessible through panels
Eighth Flr.	Pipe Chase	Fitting Insulation	Friable	3-5"	10 fittings	N.D.	\$ 500	
Eighth Flr.	Throughout	Floor Tile	Non-friable	N/A	17,000 ft. ²	Good	\$ 68,000	Quantity based on architectural drawings
Eighth Flr.	Throughout	Fitting Insulation	Friable	3-5"	112 fittings	Good	\$ 3,360	Accessible above drop ceiling; hot water lines
Eighth Flr.	Throughout	Roof Drain Insulation	Friable	5-8"	4-10 fittings	Good	\$200-500	Four accessible above drop ceiling
Penthouse	Throughout	Fitting Insulation	Friable	3-10"	100 fittings	Fair-Good	\$ 4,000	
Penthouse	Throughout	Sprayed-on Fireproofing	Friable	N/A	8,100 ft. ²	Good	\$ 81,000	On beams and walls.

N.D. = Not Determined.

TABLE 1B
ASBESTOS ASSESSMENT SUMMARY
TWO ALLEGHENY CENTER

Floor	Location of ACM	Description of ACM	Friability of ACM	Estimated Size/Diam.	Estimated Quantity of ACM	General Condition of ACM	Estimated Cost for Removal	Comments
Basement	Mechanical Room	Fitting Insulation	Friable	3-10"	60 fittings	Fair-Good	\$ 1,800	Steam and condensate lines (fiberglass insulated)
Basement	Mechanical Room	Fitting Insulation	Friable	3-5"	25 fittings	Good	\$ 750	City water lines (fiberglass insulated)
Basement	Throughout	Sprayed-on fireproofing	Friable	N/A	42,000 ft. ² *	Good	\$420,000	On beams & decking; above drop ceiling
First Floor	Throughout	Sprayed-on fireproofing	Friable	N/A	42,000 ft. ² *	Good	\$420,000	On beams & decking; above drop ceiling
First Floor	Throughout	Floor Tile	Non-friable	N/A	20,000 ft. ²	Good	\$ 80,000	Quantity based on architectural drawings; assumed to be under carpet.
Second Flr.	Throughout	Sprayed-on fireproofing	Friable	N/A	42,000 ft. ² *	Good	\$420,000	On beams & decking; above drop ceiling
Second Flr.	Throughout	Floor Tile	Non-friable	N/A	20,000 ft. ²	Good	\$ 80,000	Quantity based on architectural drawings; assumed to be under carpet.
Third Floor	Mechanical Room	Fitting Insulation	Friable	3-12"	N.D.	Poor-Good	N.D.	One fitting tested positive, four tested negative, assume all are positive until can prove otherwise.
Third Floor	Throughout	Sprayed-on fireproofing	Friable	N/A	42,000 ft. ² *	Good	\$420,000	On beams & decking; above drop ceiling. In air shaft also.
Third Floor	Throughout	Floor Tile	Non-friable	N/A	20,000 ft. ²	Good	\$ 80,000	Quantity based on architectural drawings; assumed to be under carpet.

TABLE 1B
ASBESTOS ASSESSMENT SUMMARY
TWO ALLECHENY CENTER

Floor	Location of ACM	Description of ACM	Friability of ACM	Estimated Size/Diam.	Estimated Quantity of ACM	General Condition of ACM	Estimated Cost for Removal	Comments
Fourth Flr.	Throughout	Sprayed-on fireproofing	Friable	N/A	42,000 ft. ² *	Good	\$420,000	On beams & decking; above drop ceiling
Fourth Flr.	Throughout	Floor Tile	Non-friable	N/A	20,000 ft. ²	Good	\$ 80,000	Quantity based on architectural drawings; assumed to be under carpet.
Fifth Floor	Throughout	Sprayed-on fireproofing	Friable	N/A	42,000 ft. ² *	Good	\$420,000	On beams & decking; above drop ceiling
Fifth Floor	Throughout	Floor Tile	Non-friable	N/A	20,000 ft. ²	Good	\$ 80,000	Quantity based on architectural drawings; assumed to be under carpet.
Sixth Floor	Throughout	Sprayed-on fireproofing	Friable	N/A	42,000 ft. ² *	Good	\$420,000	On beams & decking; above drop ceiling
Sixth Floor	Throughout	Floor Tile	Non-friable	N/A	20,000 ft. ²	Good	\$ 80,000	Quantity based on architectural drawings; assumed to be under carpet.
Seventh Flr.	Throughout	Sprayed-on fireproofing	Friable	N/A	42,000 ft. ² *	Good	\$420,000	On beams & decking; above drop ceiling
Seventh Flr.	Throughout	Floor Tile	Non-friable	N/A	20,000 ft. ²	Good	\$ 80,000	Quantity based on architectural drawings; assumed to be under carpet.
Eighth Floor	Throughout	Sprayed-on fireproofing	Friable	N/A	42,000 ft. ² *	Good	\$420,000	On beams & decking; above drop ceiling
Eighth Floor	Throughout	Floor Tile	Non-friable	N/A	20,000 ft. ²	Good	\$ 80,000	Quantity based on architectural drawings; assumed to be under carpet.

TABLE 1B
ASBESTOS ASSESSMENT SUMMARY
TWO ALLEGHENY CENTER

Floor	Location of ACM	Description of ACM	Friability of ACM	Estimated Size/Diam.	Estimated Quantity of ACM	General Condition of ACM	Estimated Cost for Removal	Comments
Ninth Floor	Throughout	Sprayed-on fireproofing	Friable	N/A	42,000 ft. ² *	Good	\$420,000	On beams & decking; above drop ceiling
Ninth Floor	Throughout	Floor Tile	Non-friable	N/A	20,000 ft. ²	Good	\$ 80,000	Quantity based on architectural drawings; assumed to be under carpet.
Tenth Floor	Throughout	Sprayed-on fireproofing	Friable	N/A	42,000 ft. ² *	Good	\$420,000	On beams & decking; above drop ceiling
Tenth Floor	Throughout	Floor Tile	Non-friable	N/A	20,000 ft. ²	Good	\$ 80,000	Quantity based on architectural drawings; assumed to be under carpet.
Eleventh Flr.	Throughout	Sprayed-on fireproofing	Friable	N/A	42,000 ft. ² *	Good	\$420,000	On beams & decking; above drop ceiling
Eleventh Flr.	Throughout	Floor Tile	Non-friable	N/A	20,000 ft. ²	Good	\$ 80,000	Quantity based on architectural drawings; assumed to be under carpet.
Twelfth Flr.	Throughout	Sprayed-on fireproofing	Friable	N/A	42,000 ft. ² *	Good	\$420,000	On beams & decking; above drop ceiling
Twelfth Flr.	Throughout	Floor Tile	Non-friable	N/A	20,000 ft. ²	Good	\$ 80,000	Quantity based on architectural drawings; assumed to be under carpet.
Thirteenth Floor	Throughout	Sprayed-on fireproofing	Friable	N/A	42,000 ft. ² *	Good	\$420,000	On beams & decking; above drop ceiling

TABLE 1B
ASBESTOS ASSESSMENT SUMMARY
TWO ALLEGHENY CENTER

Floor	Location of ACM	Description of ACM	Friability of ACM	Estimated Size/Diam.	Estimated Quantity of ACM	General Condition of ACM	Estimated Cost for Removal	Comments
Thirteenth Floor	Throughout	Floor Tile	Non-friable	N/A	20,000 ft. ²	Good	\$ 80,000	Quantity based on architectural drawings; assumed to be under carpet.
Penthouse	Throughout	Sprayed-on fireproofing	Friable	N/A	3,800 ft. ²	Good	\$ 38,000	Exposed on beams & decking.

* Quantity = Floor Area x 2

TABLE 1C
ASBESTOS ASSESSMENT SUMMARY
THREE ALLEGHENY CENTER

Floor	Location of ACM	Description of ACM	Friability of ACM	Estimated Size/Diam.	Estimated Quantity of ACM	General Condition of ACM	Estimated Cost for Removal	Comments
Upper Garage	Mechanical Room	Tank Insulation	Friable	2 Tanks	440 ft. ²	Fair	\$ 11,000	Inactive hot water & domestic water tanks
Upper Garage	Mechanical Room	Fitting Insulation	Friable	3-12"	265 fittings	Poor-Good	\$ 10,600	Fittings on fiberglass insulated pipes
Upper Garage	Storage Rm. 11	Fitting Insulation	Friable	3-5"	12 fittings	Good	\$ 600	Fittings on fiberglass insulated pipes
Upper Garage	Laundry	Fitting Insulation	Friable	2"	4 fittings	Good	\$ 200	Fittings on fiberglass insulated pipes
Upper Garage	Maintenance Office	Fitting Insulation	Friable	3-5"	17 fittings	Good	\$ 850	Fittings on fiberglass insulated pipes
Upper Garage	Hallway	Fitting Insulation	Friable	3-5"	13 fittings	Good	\$ 600	8 fittings located above plaster ceiling
Upper Garage	Hallway & Restroom	Floor Tile	Non-friable	N/A	750 ft. ²	Good	\$ 3,000	12" square floor tile
Upper Garage	Garage	Fitting Insulation	Friable	3-5"	20 fittings	Good	\$ 1,000	Fittings on fiberglass insulated pipes
Lobby Floor	Lobby	Fitting Insulation	Friable	3-5"	9 fittings	Good	\$ 450	Above plaster ceiling-accessible through panels
Lobby Floor	One-call Office	Fitting Insulation	Friable	3-5"	60 fittings	Good	\$ 3,000	Above drop ceiling. Quantity based on spot checks - no drawings available.
Lobby Floor	Entrance	Floor Tile	Non-friable	N/A	200 ft. ²	Good	\$ 800	Assumed to be VAT; 12" tile
First Floor	Kitchens	Floor Tile	Non-friable	N/A	2200 ft. ²	Good	\$ 8,800	Approx. 100 ft. ² in each apartment; 12" tile

TABLE IC
ASBESTOS ASSESSMENT SUMMARY
THREE ALLECHENY CENTER

Floor	Location of ACM	Description of ACM	Friability of ACM	Estimated Size/Diam.	Estimated Quantity of ACM	General Condition of ACM	Estimated Cost for Removal	Comments
Second Floor	Kitchens	Floor Tile	Non-friable	N/A	2200 ft. ²	Good	\$ 8,800	Approx. 100 ft. ² in each apartment; 12" tile
Third Floor	Kitchens	Floor Tile	Non-friable	N/A	2200 ft. ²	Good	\$ 8,800	Approx. 100 ft. ² in each apartment; 12" tile
Fourth Floor	Kitchens	Floor Tile	Non-friable	N/A	2200 ft. ²	Good	\$ 8,800	Approx. 100 ft. ² in each apartment; 12" tile
Fifth Floor	Kitchens	Floor Tile	Non-friable	N/A	2200 ft. ²	Good	\$ 8,800	Approx. 100 ft. ² in each apartment; 12" tile
Sixth Floor	Kitchens	Floor Tile	Non-friable	N/A	2200 ft. ²	Good	\$ 8,800	Approx. 100 ft. ² in each apartment; 12" tile
Seventh Flr.	Kitchens	Floor Tile	Non-friable	N/A	2200 ft. ²	Good	\$ 8,800	Approx. 100 ft. ² in each apartment; 12" tile
Seventh Flr.	Storage Room	Fitting Insulation	Friable	3-5"	1 fitting	Good	\$ 50	Fittings on fiberglass insulated pipes
Seventh Flr.	Hallway	Fitting Insulation	Friable	3-5"	60 fittings*	Good	\$ 3,000	Above plaster ceiling - accessible through panels; hot and cold water lines
Seventh Flr.	Hallway	Roof Drain Insulation	Friable	5-8"	2 fittings	Good	\$ 100	Above plaster ceiling - accessible through panels

* May be more fittings present in apartments that are not accessible.

TABLE ID
ASBESTOS ASSESSMENT SUMMARY
SEVEN ALLEGHENY CENTER

Floor	Location of ACM	Description of ACM	Friability of ACM	Estimated Size/Diam.	Estimated Quantity of ACM	General Condition of ACM	Estimated Cost for Removal	Comments
Basement	Storage Room	Transite Wall Panels	Non-friable	N/A	1760 ft. ²	Good	\$ 7,040	On outer walls of four storage rooms
Basement	Hallway	Sprayed-on fireproofing	Friable	6' x 2'	24 ft. ²	Good	\$ 1,200	On beam near access panel in hall ceiling
First Floor	Apartments	Floor Tile	Non-friable	N/A	2400 ft. ²	Good	\$ 9,600	In bathroom and kitchen of each apartment.
First Floor	Laundry Room	Floor Tile	Non-friable	N/A	280 ft. ²	Good	\$ 1,120	
First Floor	Trash Room	Floor Tile	Non-friable	N/A	72 ft. ²	Good	\$ 288	
Second Flr.	Apartments	Floor Tile	Non-friable	N/A	2400 ft. ²	Good	\$ 9,600	In bathroom and kitchen of each apartment.
Second Flr.	Laundry Room	Floor Tile	Non-friable	N/A	280 ft. ²	Good	\$ 1,120	
Second Flr.	Trash Room	Floor Tile	Non-friable	N/A	72 ft. ²	Good	\$ 288	
Third Floor	Apartments	Floor Tile	Non-friable	N/A	2400 ft. ²	Good	\$ 9,600	In bathroom and kitchen of each apartment.
Third Floor	Laundry Room	Floor Tile	Non-friable	N/A	280 ft. ²	Good	\$ 1,120	
Third Floor	Trash Room	Floor Tile	Non-friable	N/A	72 ft. ²	Good	\$ 288	
Fourth Flr.	Apartments	Floor Tile	Non-friable	N/A	2400 ft. ²	Good	\$ 9,600	In bathroom and kitchen of each apartment
Fourth Flr.	Laundry Room	Floor Tile	Non-friable	N/A	280 ft. ²	Good	\$ 1,120	
Fourth Flr.	Trash Room	Floor Tile	Non-friable	N/A	72 ft. ²	Good	\$ 288	

TABLE ID
ASBESTOS ASSESSMENT SUMMARY
SEVEN ALLECHENY CENTER

Floor	Location of ACH	Description of ACH	Friability of ACH	Estimated Size/Diam.	Estimated Quantity of ACH	General Condition of ACH	Estimated Cost for Removal	Comments
Fifth Floor	Apartment	Floor Tile	Non-friable	N/A	2400 ft. ²	Good	\$ 9,600	In bathroom and kitchen of each apartment
Fifth Floor	Laundry Room	Floor Tile	Non-friable	N/A	280 ft. ²	Good	\$ 1,120	
Fifth Floor	Trash Room	Floor Tile	Non-friable	N/A	72 ft. ²	Good	\$ 288	
Sixth Floor	Apartment	Floor Tile	Non-friable	N/A	2400 ft. ²	Good	\$ 9,600	In bathroom and kitchen of each apartment
Sixth Floor	Laundry Room	Floor Tile	Non-friable	N/A	280 ft. ²	Good	\$ 1,120	
Sixth Floor	Trash Room	Floor Tile	Non-friable	N/A	72 ft. ²	Good	\$ 288	
Seventh Flr.	Apartment	Floor Tile	Non-friable	N/A	2400 ft. ²	Good	\$ 9,600	In bathroom and kitchen of each apartment.
Seventh Flr.	Laundry Room	Floor Tile	Non-friable	N/A	280 ft. ²	Good	\$ 1,120	
Seventh Flr.	Trash Room	Floor Tile	Non-friable	N/A	72 ft. ²	Good	\$ 288	
Eighth Floor	Apartment	Floor Tile	Non-friable	N/A	2400 ft. ²	Good	\$ 9,600	In bathroom and kitchen of each apartment
Eighth Floor	Laundry Room	Floor Tile	Non-friable	N/A	280 ft. ²	Good	\$ 1,120	
Eighth Floor	Trash Room	Floor Tile	Non-friable	N/A	72 ft. ²	Good	\$ 288	
Ninth Floor	Apartment	Floor Tile	Non-friable	N/A	2400 ft. ²	Good	\$ 9,600	In bathroom and kitchen of each apartment
Ninth Floor	Laundry Room	Floor Tile	Non-friable	N/A	280 ft. ²	Good	\$ 1,120	
Ninth Floor	Trash Room	Floor Tile	Non-friable	N/A	72 ft. ²	Good	\$ 288	

TABLE ID
ASBESTOS ASSESSMENT SUMMARY
SEVEN ALLEGHENY CENTER

Floor	Location of ACM	Description of ACM	Friability of ACM	Estimated Size/Diam.	Estimated Quantity of ACM	General Condition of ACM	Estimated Cost for Removal	Comments
Tenth Floor	Apartments	Floor Tile	Non-friable	N/A	2400 ft. ²	Good	\$ 9,600	In bathroom and kitchen of each apartment.
Tenth Floor	Laundry Room	Floor Tile	Non-friable	N/A	280 ft. ²	Good	\$ 1,120	
Tenth Floor	Trash Room	Floor Tile	Non-friable	N/A	72 ft. ²	Good	\$ 288	
Tenth Floor	Throughout	Duct Insulation	Friable	25 duct sections	500 ft. ²	Good	\$ 15,000	Fireproofing on duct - above plaster ceiling

TABLE 1E
ASBESTOS ASSESSMENT SUMMARY
EIGHT ALLEGHENY CENTER

Floor	Location of ACM	Description of ACM	Friability of ACM	Estimated Size/Diam.	Estimated Quantity of ACM	General Condition of ACM	Estimated Cost for Removal	Comments
Basement	Storage Room	Transite Wall Panels	Non-friable	N/A	1760 ft. ²	Good	\$ 7,040	On outer walls of four storage rooms
Basement	Hallway	Sprayed-on fireproofing	Friable	6' x 2'	24 ft. ²	Good	\$ 1,200	On beam near access panel in hall ceiling
First Floor	Apartments	Floor Tile	Non-friable	N/A	2400 ft. ²	Good	\$ 9,600	In bathroom and kitchen of each apartment.
First Floor	Laundry Room	Floor Tile	Non-friable	N/A	280 ft. ²	Good	\$ 1,120	
First Floor	Trash Room	Floor Tile	Non-friable	N/A	72 ft. ²	Good	\$ 288	
Second Flr.	Apartments	Floor Tile	Non-friable	N/A	2400 ft. ²	Good	\$ 9,600	In bathroom and kitchen of each apartment
Second Flr.	Laundry Room	Floor Tile	Non-friable	N/A	280 ft. ²	Good	\$ 1,120	
Second Flr.	Trash Room	Floor Tile	Non-friable	N/A	72 ft. ²	Good	\$ 288	
Third Floor	Apartments	Floor Tile	Non-friable	N/A	2400 ft. ²	Good	\$ 9,600	In bathroom and kitchen of each apartment
Third Floor	Laundry Room	Floor Tile	Non-friable	N/A	280 ft. ²	Good	\$ 1,120	
Third Floor	Trash Room	Floor Tile	Non-friable	N/A	72 ft. ²	Good	\$ 288	
Fourth Flr.	Apartments	Floor Tile	Non-friable	N/A	2400 ft. ²	Good	\$ 9,600	In bathroom and kitchen of each apartment.

TABLE 1E
ASBESTOS ASSESSMENT SUMMARY
EIGHT ALLEGHENY CENTER

Floor	Location of ACH	Description of ACH	Friability of ACH	Estimated Size/Diam.	Estimated Quantity of ACH	General Condition of ACH	Estimated Cost for Removal	Comments
Fourth Flr.	Laundry Room	Floor Tile	Non-friable	N/A	280 ft. ²	Good	\$ 1,120	
Fourth Flr.	Trash Room	Floor Tile	Non-friable	N/A	72 ft. ²	Good	\$ 288	
Fifth Floor	Apartments	Floor Tile	Non-friable	N/A	2400 ft. ²	Good	\$ 9,600	In bathroom and kitchen of each apartment
Fifth Floor	Laundry Room	Floor Tile	Non-friable	N/A	280 ft. ²	Good	\$ 1,120	
Fifth Floor	Trash Room	Floor Tile	Non-friable	N/A	72 ft. ²	Good	\$ 288	
Sixth Floor	Apartments	Floor Tile	Non-friable	N/A	2400 ft. ²	Good	\$ 9,600	In bathroom and kitchen of each apartment
Sixth Floor	Laundry Room	Floor Tile	Non-friable	N/A	280 ft. ²	Good	\$ 1,120	
Sixth Floor	Trash Room	Floor Tile	Non-friable	N/A	72 ft. ²	Good	\$ 288	
Seventh Flr.	Apartments	Floor Tile	Non-friable	N/A	2400 ft. ²	Good	\$ 9,600	In bathroom and kitchen of each apartment
Seventh Flr.	Laundry Room	Floor Tile	Non-friable	N/A	280 ft. ²	Good	\$ 1,120	
Seventh Flr.	Trash Room	Floor Tile	Non-friable	N/A	72 ft. ²	Good	\$ 288	
Eighth Floor	Apartments	Floor Tile	Non-friable	N/A	2400 ft. ²	Good	\$ 9,600	In bathroom and kitchen of each apartment
Eighth Floor	Laundry Room	Floor Tile	Non-friable	N/A	280 ft. ²	Good	\$ 1,120	
Eighth Floor	Trash Room	Floor Tile	Non-friable	N/A	72 ft. ²	Good	\$ 288	

TABLE 1E
ASBESTOS ASSESSMENT SUMMARY
EIGHT ALLEGHENY CENTER

Floor	Location of ACM	Description of ACM	Friability of ACM	Estimated Size/Diam.	Estimated Quantity of ACM	General Condition of ACM	Estimated Cost for Removal	Comments
Ninth Floor	Apartments	Floor Tile	Non-friable	N/A	2400 ft. ²	Good	\$ 9,600	In bathroom and kitchen of each apartment
Ninth Floor	Laundry Room	Floor Tile	Non-friable	N/A	280 ft. ²	Good	\$ 1,120	
Ninth Floor	Trash Room	Floor Tile	Non-friable	N/A	72 ft. ²	Good	\$ 288	
Tenth Floor	Apartments	Floor Tile	Non-friable	N/A	2400 ft. ²	Good	\$ 9,600	In bathroom and kitchen of each apartment.
Tenth Floor	Laundry Room	Floor Tile	Non-friable	N/A	280 ft. ²	Good	\$ 1,120	
Tenth Floor	Trash Room	Floor Tile	Non-friable	N/A	72 ft. ²	Good	\$ 288	
Tenth Floor	Throughout	Duct Insulation	Friable	25 duct sections	500 ft. ²	Good	\$ 15,000	Fireproofing on duct - above plaster ceiling

TABLE IF
ASBESTOS ASSESSMENT SUMMARY
TEN ALLECHENY CENTER

Floor	Location of ACM	Description of ACM	Friability of ACM	Estimated Size/Diam.	Estimated Quantity of ACM	General Condition of ACM	Estimated Cost for Removal	Comments
Lower Garage	Mechanical Room	Tank Insulation	Friable	2 Tanks	440 ft. ²	Fair	\$ 11,000	Hot water & domestic water tanks
Lower Garage	Mechanical Room	Fitting Insulation	Friable	3-12"	290 fittings	Poor-Good	\$ 11,600	Fittings on fiberglass insulated pipes
Lower Garage	Air Compressor Room	Fitting Insulation	Friable	3-5"	15 fittings	Good	\$ 750	Fittings on fiberglass insulated pipes
Lower Garage	Laundry Room	Fitting Insulation	Friable	3-5"	6 fittings	Good	\$ 300	Fittings on fiberglass insulated pipes
Lower Garage	Storage Rm. II	Fitting Insulation	Friable	3-5"	22 fittings	Good	\$ 1,100	Fittings on fiberglass insulated pipes
Lower Garage	Air Handling Unit #4 Room	Fitting Insulation	Friable	3-5"	55 fittings	Good	\$ 2,750	Fittings on fiberglass insulated pipes
Lower Garage	Air Handling Unit #4 Room	Vibration Isolator	Non-friable	5' x 3'	16 ft. ²	Good	\$ 500	White cloth connector on AHU & duct; assumed to be ACM
Lower Garage	Storage Rm. IV	Fitting Insulation	Friable	3-5"	18 fittings	Good	\$ 900	Fittings on fiberglass insulated pipes
Lower Garage	Elevator Lobby	Fitting Insulation	Friable	3-5"	2 fittings	Good	\$ 100	Fittings on fiberglass insulated pipes
Lower Garage	Maintenance Storage	Fitting Insulation	Friable	3-5"	12 fittings	Good	\$ 600	Fittings on fiberglass insulated pipes
Lower Garage	Garage	Fitting Insulation	Friable	3-5"	2 fittings	Good	\$ 100	By Stall #100
Lower Garage	Hallway and Restroom	Floor Tile	Non-friable	N/A	890 ft. ²	Good	\$ 3,560	12" tile.
Upper Garage	Garage	Fitting Insulation	Friable	3-5"	143 fittings	Good	\$ 7,150	Above plaster ceiling - accessible through panels

TABLE IF
ASBESTOS ASSESSMENT SUMMARY
TEN ALLECHENY CENTER

Floor	Location of ACM	Description of ACM	Friability of ACM	Estimated Size/Diam.	Estimated Quantity of ACM	General Condition of ACM	Estimated Cost for Removal	Comments
Upper Garage	Back Stairwell	Fitting Insulation	Friable	3-5"	1 fitting	Good	\$ 100	Accessible
Upper Garage	Package Room	Fitting Insulation	Friable	3-5"	10 fittings	Poor	\$ 500	Accessible - by guard's desk
Upper Garage	Lobby	Fitting Insulation	Friable	3-5"	36 fittings	Good	\$ 1,800	Above plaster ceiling - accessible through panels
Upper Garage	Lobby Entrance	Floor Tile	Non-friable	N/A	200 ft. ²	Good	\$ 800	Assumed to be VAT; 12" tile.
First Floor	Kitchens	Floor Tile	Non-friable	N/A	2200 ft. ²	Good	\$ 8,800	Approx. 100 ft. ² in each apartment; 12" tile.
Second Flr.	Kitchens	Floor Tile	Non-friable	N/A	2200 ft. ²	Good	\$ 8,800	Approx. 100 ft. ² in each apartment; 12" tile.
Third Floor	Kitchens	Floor Tile	Non-friable	N/A	2200 ft. ²	Good	\$ 8,800	Approx. 100 ft. ² in each apartment; 12" tile.
Fourth Flr.	Kitchens	Floor Tile	Non-friable	N/A	2200 ft. ²	Good	\$ 8,800	Approx. 100 ft. ² in each apartment; 12" tile.
Fifth Floor	Kitchens	Floor Tile	Non-friable	N/A	2200 ft. ²	Good	\$ 8,800	Approx. 100 ft. ² in each apartment; 12" tile.
Sixth Floor	Kitchens	Floor Tile	Non-friable	N/A	2200 ft. ²	Good	\$ 8,800	Approx. 100 ft. ² in each apartment; 12" tile.
Seventh Flr.	Kitchens	Floor Tile	Non-friable	N/A	2200 ft. ²	Good	\$ 8,800	Approx. 100 ft. ² in each apartment; 12" tile.

TABLE IF
ASBESTOS ASSESSMENT SUMMARY
TEN ALLEGHENY CENTER

Floor	Location of ACM	Description of ACM	Friability of ACM	Estimated Size/Diam.	Estimated Quantity of ACM	General Condition of ACM	Estimated Cost for Removal	Comments
North-South Wing - Seventh Flr.	Throughout	Fitting Insulation	Friable	3-5"	70 fittings*	Good	\$ 3,500	Above plaster ceiling - only one access panel in hall. Quantity based on 4 fittings to each apartment.
East Wing - Eighth Floor	Throughout	Fitting Insulation	Friable	3-5"	20 fittings*	Good	\$ 1,000	Above plaster ceiling - two access panels in hall.

* May be more fittings in apartments that are not accessible.

TABLE 1C
ASBESTOS ASSESSMENT SUMMARY
ALLEGHENY CENTER MALL

Floor	Location of ACM	Description of ACM	Friability of ACM	Estimated Size/Diam.	Estimated Quantity of ACM	General Condition of ACM	Estimated Cost for Removal	Comments
Lower Level	West Tunnel	Fitting Insulation	Friable	3-12"	170 fittings	Fair-Good	\$ 8,500	Fittings on fiberglass insulated pipes. Assumed to be ACM.
Lower Level	Main Tunnel	Fitting Insulation	Friable	3-12"	330 fittings	Fair-Good	\$ 13,200	Fittings on fiberglass insulated pipes. Assumed to be ACM.
Lower Level	Rooms off Main Tunnel	Fitting Insulation	Friable	3-12"	70 fittings	Fair-Good	\$ 3,500	Fittings on fiberglass insulated pipes. Assumed to be ACM.
Lower Level	Fan Room	Fitting Insulation	Friable	3-12"	21 fittings	Fair-Good	\$ 1,050	Fittings on fiberglass insulated pipes. Assumed to be ACM.
Middle Level	Mechanical Room 8-18	Fitting Insulation	Friable	3-12"	150 fittings	Fair-Good	\$ 6,000	Fittings on fiberglass insulated pipes. Assumed to be ACM. Includes insulation on ends of tanks.
First Floor	Service Corridors	Fitting Insulation	Friable	3-12"	720 fittings	Fair-Good	\$ 28,800	Fittings on fiberglass insulated pipes. Assumed to be ACM. Four service corridors. Quantity based on check of one typical corridor.
Second Floor	Service Corridors	Fitting Insulation	Friable	3-12"	360 fittings	Fair-Good	\$ 14,400	Fittings on fiberglass insulated pipes. Assumed to be ACM. Four service corridors. Quantity based on check of one typical corridor.
Hall	Fan Rooms	Fitting Insulation	Friable	3-12"	90 fittings	Fair-Good	\$ 4,500	Fittings on fiberglass insulated pipes. Assumed to be ACM. 2 Fan rooms.

TABLE II

ASBESTOS BULK SAMPLING RESULTS

TABLE IIA
BULK SAMPLE RESULTS
ONE ALLEGHENY CENTER

SAMPLE NO. AND DATE	LOCATION	MATERIAL SAMPLED	ASBESTOS CONTENT (%)
<u>BASEMENT FLOOR</u>			
12-28-88-22	Mechanical Room - Larger Condensate Tank	Tank Insulation	10-15% Chrysotile 25-30% Amosite
12-28-88-23	Mechanical Room - Domestic Hot Water Tank	Tank Insulation	10-15% Chrysotile 25-30% Amosite
12-28-88-24	Mechanical Room - Hot Water Tank	Tank Insulation	10-15% Chrysotile 25-30% Amosite
12-28-88-25	Mechanical Room - High Pressure Steam Line	Pipe Insulation	5-10% Chrysotile 15-20% Amosite
12-28-88-26	Mechanical Room - Hot Water Return Line	Fitting Insulation	3-8% Chrysotile
1-5-89-25	Mechanical Room - Smaller Condensate Tank	Tank Insulation	5-10% Chrysotile 20-25% Amosite
1-5-89-26	Room G - 500	Floor Tile (Beige 9")	3-8% Chrysotile
1-5-89-27	Former Palmer's Restaurant - Hallway	Floor Tile (Beige 9")	1-3% Chrysotile
<u>THIRD FLOOR</u>			
12-28-88-20	Suite 370 - Radio D.J. Booth	Ceiling Tile	Negative
12-28-88-21	Suite 370 - Mechanical Room - Cold Water Line	Fitting Insulation	5-10% Chrysotile
<u>FIFTH FLOOR</u>			
12-28-88-18	Suite 500 - Domestic Water Line	Fitting Insulation	5-10% Chrysotile
12-28-88-19	Suite 500	Ceiling Tile	Negative

TABLE IIA
BULK SAMPLE RESULTS
ONE ALLEGHENY CENTER

SAMPLE NO. AND DATE	LOCATION	MATERIAL SAMPLED	ASBESTOS CONTENT (%)
<u>SEVENTH FLOOR</u>			
12-28-88-01	Suite 770 - Wet Column - Hot Water Return Line	Fitting Insulation	1-5% Chrysotile
12-28-88-02	Suite 770 - Wet Column - Hot Water Return Line	Fitting Insulation	1-5% Chrysotile
12-28-88-03	Suite 770 - Wet Column - Hot Water Supply Line	Fitting Insulation	1-5% Chrysotile
12-28-88-04	Suite 770 - Throughout	Ceiling Tile	Negative
12-28-88-05	Suite 770 - Throughout	Ceiling Tile	Negative
12-28-88-06	Suite 770 - Throughout on Beams	Sprayed-on Fireproofing	5-10% Chrysotile
12-28-88-07	Suite 770 - Above Drop Ceiling - Hot Water Line	Fitting Insulation	1-5% Chrysotile
12-28-88-08	Suite 770 - Above Drop Ceiling - Cold Water Line	Fitting Insulation	10-15% Chrysotile
<u>EIGHTH FLOOR</u>			
12-28-88-09	Suite 800 - Wet Column - Hot Water Return Line	Fitting Insulation	10-15% Chrysotile
12-28-88-10	Suite 800 - Wet Column - Hot Water Return Line	Fitting Insulation	3-8% Chrysotile
12-28-88-11	Suite 800 - Roof Drain Above Drop Ceiling	Fitting Insulation	1-5% Chrysotile
<u>PENTHOUSE</u>			
12-28-88-12	Mechanical Room - Walls	Sprayed-on Fireproofing	5-10% Chrysotile 40-50% Amosite
12-28-88-17	Mechanical Room - Walls	Sprayed-on Fireproofing	5-10% Chrysotile 40-50% Amosite
12-28-88-13	Mechanical Room - Condensate Return Line	Fitting Insulation	3-8% Chrysotile

TABLE IIA
BULK SAMPLE RESULTS
ONE ALLEGHENY CENTER

SAMPLE NO. AND DATE	LOCATION	MATERIAL SAMPLED	ASBESTOS CONTENT (%)
12-28-88-14	Mechanical Room - Condensate Return Line	Fitting Insulation	3-8% Chrysotile
12-28-88-15	Mechanical Room - Chilled Water Line	Fitting Insulation	3-8% Chrysotile
12-28-88-16	Mechanical Room - Chilled Water Line	Fitting Insulation	3-8% Chrysotile

NOTE: A negative result indicated that asbestos was not present in the sample. The lower limit detection for the analytical method is less than 1%.

All samples were collected by Schneider Engineers and were analyzed by Camtech, Inc. using the EPA Polarized Microscopy method for determining asbestos content in bulk samples (EPA Interim Method for Determination of Asbestos in Bulk Insulation Samples, EPA Publication - 600/M4-82-020, December, 1982).

TABLE IIB
BULK SAMPLE RESULTS
TWO ALLEGHENY CENTER

SAMPLE NO. AND DATE	LOCATION	MATERIAL SAMPLED	ASBESTOS CONTENT (%)
<u>BASEMENT FLOOR</u>			
12-21-88-06	Mechanical Room - Cold Water Supply Line	Fitting Insulation	1-5% Chrysotile
12-21-88-07	Mechanical Room - Condensate Return Line	Fitting Insulation	1-5% Chrysotile
12-21-88-08	Mechanical Room - Hot Water Supply Line	Fitting Insulation	Negative
12-21-88-09	Mechanical Room - Cold Water Supply Line (to Computer Rooms)	Fitting Insulation	Negative
12-21-88-10	Mechanical Room - Hot Water Return Line	Fitting Insulation	Negative
12-21-88-11	Mechanical Room - Condensate Return Line	Fitting Insulation	1-3% Chrysotile
12-21-88-12	Mechanical Room - Low Pressure Steam Line	Fitting Insulation	1-3% Chrysotile
12-21-88-13	Mechanical Room - Domestic Hot Water Line	Fitting Insulation	Negative
<u>FIRST FLOOR</u>			
12-21-88-05	Suite 100 - Crawlspace above Restrooms - Steam Line	Fitting Insulation	Negative
12-21-88-18	Control Data Lobby - Above Drop Ceiling	Fitting Insulation	Negative
<u>THIRD FLOOR</u>			
12-21-88-01	Fan Room - Chilled Water Return Line	Fitting Insulation	Negative
12-21-88-02	Fan Room - Steam Line	Fitting Insulation	Negative
12-21-88-03	Fan Room - On Beams Throughout	Sprayed-on Fireproofing	5-10% Chrysotile
12-21-88-04	Fan Room - Chilled Water Supply Line	Fitting Insulation	1-3% Chrysotile

TABLE IIB
BULK SAMPLE RESULTS
TWO ALLEGHENY CENTER

SAMPLE NO. AND DATE	LOCATION	MATERIAL SAMPLED	ASBESTOS CONTENT (%)
<u>THIRD FLOOR</u>			
1-4-89-17	Fan Room - Chilled Water Supply Line	Fitting Insulation	Negative
1-4-89-18	Fan Room - Chilled Water Supply Line	Fitting Insulation	Negative
<u>FIFTH FLOOR</u>			
12-21-88-14	Suite 530 - Throughout on Beams and Decking	Sprayed-on Fireproofing	5-10% Chrysotile
12-21-88-14	QA Sample	Sprayed-on Fireproofing	15-20% Chrysotile
12-21-88-15	Suite 530 - Throughout	Ceiling Tile	Negative
<u>SIXTH FLOOR</u>			
12-21-88-16	Suite 601 - Throughout on Beams and Decking	Sprayed-on Fireproofing	5-10% Chrysotile
12-21-88-17	Suite 601 - Throughout	Ceiling Tile	Negative

NOTE: A negative result indicated that asbestos was not present in the sample. The lower limit detection for the analytical method is less than 1%.

All samples were collected by Schneider Engineers and were analyzed by Camtech, Inc. using the EPA Polarized Microscopy method for determining asbestos content in bulk samples (EPA Interim Method for Determination of Asbestos in Bulk Insulation Samples, EPA Publication - 600/M4-82-020, December, 1982).

TABLE IIC
BULK SAMPLE RESULTS
THREE ALLEGHENY CENTER

SAMPLE NO. AND DATE	LOCATION	MATERIAL SAMPLED	ASBESTOS CONTENT (%)
<u>UPPER GARAGE FLOOR</u>			
1-5-89-01	Mechanical Room - Steam Line	Fitting Insulation	25-30% Chrysotile 1-5% Crocidolite
1-5-89-02	Mechanical Room - Hot Water Tank	Tank Insulation	20-25% Chrysotile
1-5-89-03	Mechanical Room - Domestic Water Tank	Tank Insulation	35-40% Chrysotile
1-5-89-04	Mechanical Room - Steam Line	Fitting Insulation	20-25% Chrysotile
1-5-89-05	Mechanical Room - Steam Line	Fitting Insulation	20-25% Chrysotile 3-8% Crocidolite
1-5-89-06	Mechanical Room - Pump 3 Piping	Fitting Insulation	Negative
1-5-89-07	Mechanical Room - Water Line	Fitting Insulation	1-5% Chrysotile
1-5-89-08	Mechanical Room - Steam Line	Fitting Insulation	20-25% Chrysotile 1-5% Crocidolite
1-5-89-09	Mechanical Room - Steam Line	Fitting Insulation	25-30% Chrysotile 5-10% Amosite
1-5-89-10	Hallway	Floor Tile (12" Squares)	3-8% Chrysotile
1-12-89-04	Restroom	Floor Tile (12" Squares)	1-3% Chrysotile
1-12-89-03	Elevator Lobby	Floor Tile (12" Squares)	3-8% Chrysotile
1-12-89-05	Laundry Room	Floor Tile (12" Squares)	Negative
<u>LOBBY FLOOR</u>			
1-5-89-14	Lobby - Above Access Panel by Elevator - Water Line	Fitting Insulation	20-25% Chrysotile 5-10% Amosite
1-5-89-15	One Call Office - Women's Restroom	Ceiling Tile	Negative

TABLE 11C
BULK SAMPLE RESULTS
THREE ALLEGHENY CENTER

SAMPLE NO. AND DATE	LOCATION	MATERIAL SAMPLED	ASBESTOS CONTENT (%)
	<u>SEVENTH FLOOR</u>		
1-5-89-11	Hallway - Above Access Panel by Stairwell	Plaster Overspray	Negative
1-5-89-12	Hallway - Above Access Panel between Rooms 716 and 717	Plaster Overspray	Negative
1-5-89-13	Hallway - Above Access Panel between Rooms 717 and 718	Plaster Overspray	Negative

NOTE: A negative result indicated that asbestos was not present in the sample. The lower limit detection for the analytical method is less than 1%.

All samples were collected by Schneider Engineers and were analyzed by Camtech, Inc. using the EPA Polarized Microscopy method for determining asbestos content in bulk samples (EPA Interim Method for Determination of Asbestos in Bulk Insulation Samples, EPA Publication - 600/M4-82-020, December, 1982).

TABLE IID
BULK SAMPLE RESULTS
SEVEN ALLEGHENY CENTER

SAMPLE NO. AND DATE	LOCATION	MATERIAL SAMPLED	ASBESTOS CONTENT (%)
1-4-89-11	Mechanical Room - Steam Valve	Fitting Insulation	Negative
1-4-89-12	Mechanical Room - Water Line	Fitting Insulation	Negative
1-4-89-13	Mechanical Room - Steam Valve	Fitting Insulation	Negative
1-4-89-14	Mechanical Room - Water Line	Fitting Insulation	Negative
1-4-89-15	Hallway - Above Access Panel Outside Maintenance Office	Sprayed-on Fireproofing	10-15% Chrysotile
1-4-89-16	Storage Room 2 - Wall Panels	Transite	20-25% Chrysotile

NOTE: A negative result indicated that asbestos was not present in the sample. The lower limit detection for the analytical method is less than 1%.

All samples were collected by Schneider Engineers and were analyzed by Cantech, Inc. using the EPA Polarized Microscopy method for determining asbestos content in bulk samples (EPA Interim Method for Determination of Asbestos in Bulk Insulation Samples, EPA Publication - 600/M4-82-020, December, 1982).

TABLE IIE
BULK SAMPLE RESULTS
EIGHT ALLEGHENY CENTER

SAMPLE NO. AND DATE	LOCATION	MATERIAL SAMPLED	ASBESTOS CONTENT (%)
	<u>LOBBY FLOOR</u>		
1-4-89-02	Mechanical Room - Steam Valve	Fitting Insulation	Negative
1-4-89-03	Mechanical Room - Vibration Isolator on Duct	Vibration Isolator	Negative
1-4-89-04	Mechanical Room - Water Line	Fitting Insulation	Negative
1-4-89-05	Maintenance Office - Water Line	Fitting Insulation	Negative
1-4-89-06	Maintenance Office - Steam Line	Fitting Insulation	Negative
1-4-89-07	Hallway - Throughout	Floor Tile (12" Squares)	Negative
	<u>FIRST FLOOR</u>		
1-4-89-08	Trash Room - By Room 113	Floor Tile (9" Squares)	1-3% Chrysotile
	<u>TENTH FLOOR</u>		
1-4-89-09	Hallway - Ducts Above Plaster Ceiling	Duct Insulation (Fireproofing)	10-15% Chrysotile
1-4-89-10	Trash Room - Duct	Duct Insulation (Fireproofing)	15-20% Chrysotile
1-4-89-01	Hallway - Above Access Panel by Room 1003	Fitting Insulation	Negative

NOTE: A negative result indicated that asbestos was not present in the sample. The lower limit detection for the analytical method is less than 1%.

All samples were collected by Schneider Engineers and were analyzed by Cantech, Inc. using the EPA Polarized Microscopy method for determining asbestos content in bulk samples (EPA Interim Method for Determination of Asbestos in Bulk Insulation Samples, EPA Publication - 600/M4-82-020, December, 1982).

TABLE IIF
BULK SAMPLE RESULTS
TEN ALLEGHENY CENTER

SAMPLE NO. AND DATE	LOCATION	MATERIAL SAMPLED	ASBESTOS CONTENT (%)
<u>LOWER GARAGE FLOOR</u>			
1-5-89-16	Mechanical Room - Blue Vertical Tank	Tank Insulation	3-8% Chrysotile
1-5-89-17	Mechanical Room - Hot Water Tank	Tank Insulation	30-35% Chrysotile
1-5-89-19	Mechanical Room - Domestic Water Tank	Tank Insulation	25-30% Chrysotile
1-5-89-18	Mechanical Room - Condensate Return Line	Fitting Insulation	10-15% Chrysotile
1-5-89-20	Mechanical Room - Steam Line	Fitting Insulation	5-10% Chrysotile
1-5-89-21	Mechanical Room - Chilled Water Line	Fitting Insulation	3-8% Chrysotile
1-5-89-22	Hallway	Floor Tile (12" Squares)	Negative
1-5-89-23	Maintenance Office - AHU 4 Piping	Fitting Insulation	20-25% Chrysotile
1-12-89-01	Restroom and Hallway	Floor Tile (12" Squares)	3-8% Chrysotile
<u>SECOND FLOOR</u>			
1-12-89-02	Apartment 221 - Kitchen	Floor Tile (12" Squares)	3-8% Chrysotile
<u>EIGHTH FLOOR</u>			
1-5-89-24	Hallway - Above Access Panel by Room 806	Plaster Overspray	Negative

NOTE: A negative result indicated that asbestos was not present in the sample. The lower limit detection for the analytical method is less than 1%.

All samples were collected by Schneider Engineers and were analyzed by Camtech, Inc. using the EPA Polarized Microscopy method for determining asbestos content in bulk samples (EPA Interim Method for Determination of Asbestos in Bulk Insulation Samples, EPA Publication - 600/M4-82-020, December, 1982).

TABLE IIG
BULK SAMPLE RESULTS
ALLEGHENY CENTER MALL

SAMPLE NO. AND DATE	LOCATION	MATERIAL SAMPLED	ASBESTOS CONTENT (%)
<u>MIDDLE LEVEL</u>			
1-5-89-28	Mechanical Room B-18 - Hot Water Line	Fitting Insulation	3-8% Chrysotile
1-5-89-28	QA Sample	Fitting Insulation	5-10% Chrysotile
1-5-89-29	Mechanical Room B-18 - Domestic Cold Water Line	Fitting Insulation	10-15% Chrysotile
1-5-89-30	Mechanical Room B-18 - Domestic Cold Water Line	Fitting Insulation	Negative
1-5-89-31	Mechanical Room B-18 - Hot Water Tank - Ends	Tank Insulation	3-8% Chrysotile
1-5-89-32	Mechanical Room B-18 - Domestic Hot Water Line	Fitting Insulation	Negative
1-5-89-33	Mechanical Room B-18 - Steam Line	Fitting Insulation	Negative

NOTE: A negative result indicated that asbestos was not present in the sample. The lower limit detection for the analytical method is less than 1%.

All samples were collected by Schneider Engineers and were analyzed by Camtech, Inc. using the EPA Polarized Microscopy method for determining asbestos content in bulk samples (EPA Interim Method for Determination of Asbestos in Bulk Insulation Samples, EPA Publication - 600/M4-82-020, December, 1982).

TABLE III

ASBESTOS AIR SAMPLE RESULTS

TABLE III
ASBESTOS AIR SAMPLE RESULTS
ALLEGHENY CENTER

SAMPLE NUMBER AND DATE	SAMPLE LOCATION	SAMPLE TIME (MINUTES)	TOTAL FIBER CONCENTRATION (f/cc) *
<u>ONE ALLEGHENY CENTER</u>			
12-28-88-103	Third Floor - Suite 370 - Southeast Corner	383	0.005
12-28-88-102	Fifth Floor - Suite 500 - Southeast Corner	188	0.007
12-28-88-104	Seventh Floor - Suite 770 - Middle of Room - On Sink	383	0.001
12-28-88-101	Eighth Floor - Suite 800 - By Column West of Men's Room	204	0.002
<u>TWO ALLEGHENY CENTER</u>			
12-21-88-105	Second Floor - Suite 200 - Northeast Corner	375	0.001
12-21-88-101	Fifth Floor - Suite 530 - Northwest Corner	380	0.002
12-21-88-102	Sixth Floor - Suite 622 - Middle of North Side	380	0.0013
12-21-88-103	Thirteenth Floor - Suite 1301 - By Column by Southeast Corner of Women's Room	360	0.002
<u>THREE ALLEGHENY CENTER</u>			
1-5-89-105	Second Floor - Apartment 204 Kitchen	350	0.002
1-5-89-104	Fifth Floor - Apartment 524 Kitchen	350	0.001
1-5-89-103	Seventh Floor - Apartment 716 Kitchen	355	0.001
<u>EIGHT ALLEGHENY CENTER</u>			
1-4-89-103	Third Floor - Apartment 324 Kitchen	335	0.003
1-4-89-102	Sixth Floor - Apartment 617 Kitchen	340	0.005

TABLE III
ASBESTOS AIR SAMPLE RESULTS
ALLEGHENY CENTER

SAMPLE NUMBER AND DATE	SAMPLE LOCATION	SAMPLE TIME (MINUTES)	TOTAL FIBER CONCENTRATION (f/cc) *
	<u>TEN ALLEGHENY CENTER</u>		
1-5-89-102	Fourth Floor - Apartment 419 Kitchen	355	0.001
1-5-89-101	Seventh Floor - Apartment 702 Kitchen	355	0.004

OSHA Permissible Exposure Level 0.2 Fibers per Cubic Centimeter of Air Sampled (f/cc)*
OSHA Action Level 0.1 f/cc*

* Total fiber concentrations as determined by Phase Contrast Microscopy

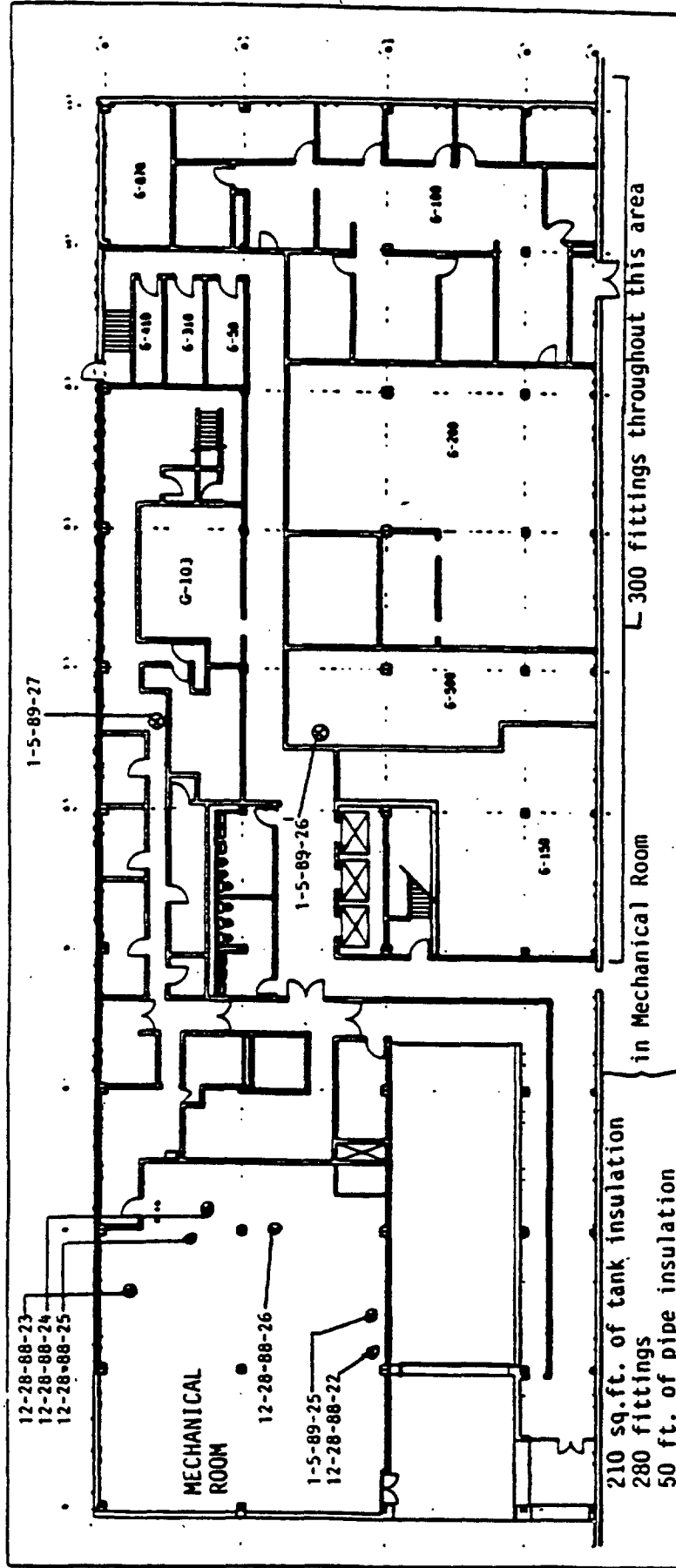
All samples were collected by Schneider Engineers and analyzed by Camtech, Inc. using NIOSH Method 7400.

APPENDIX A

LABORATORY ANALYSIS REPORTS

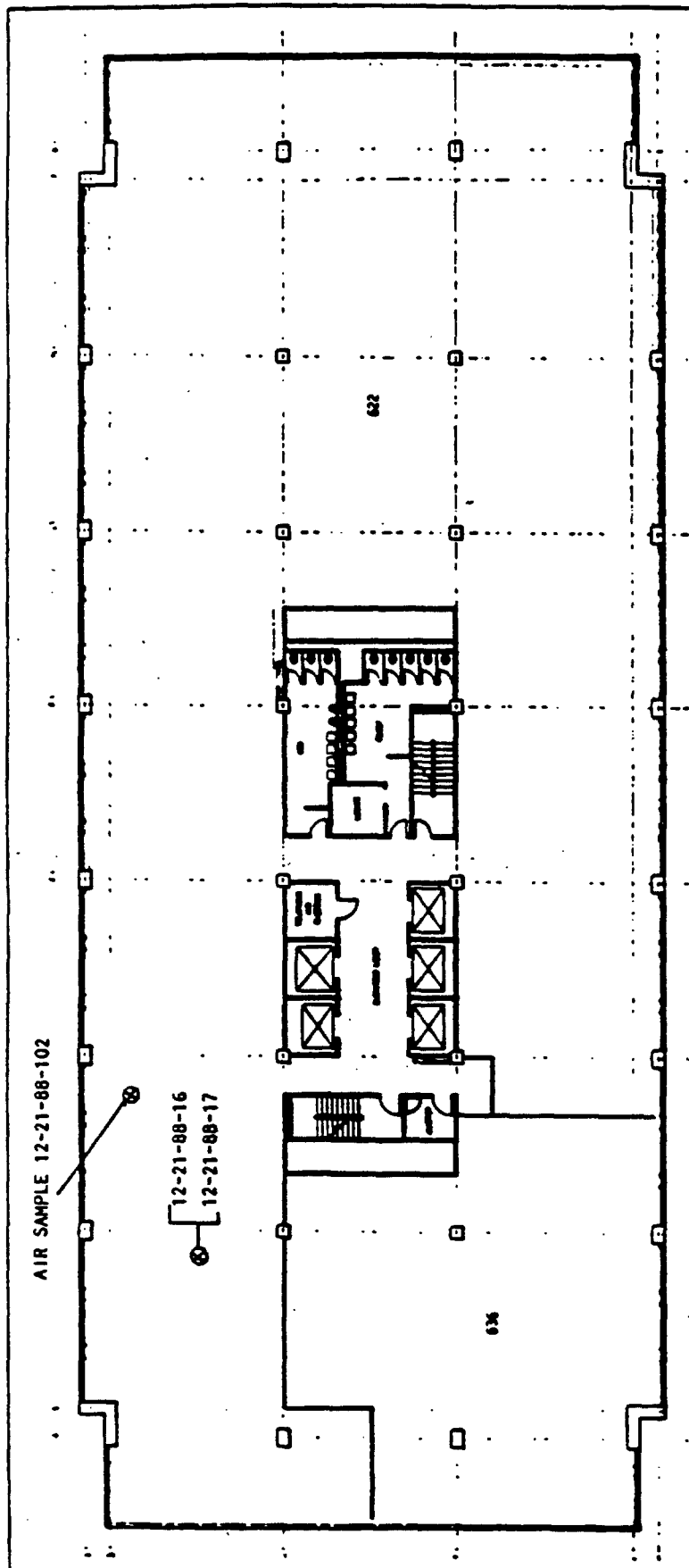
APPENDIX B

ONE ALLEGHENY CENTER DRAWINGS



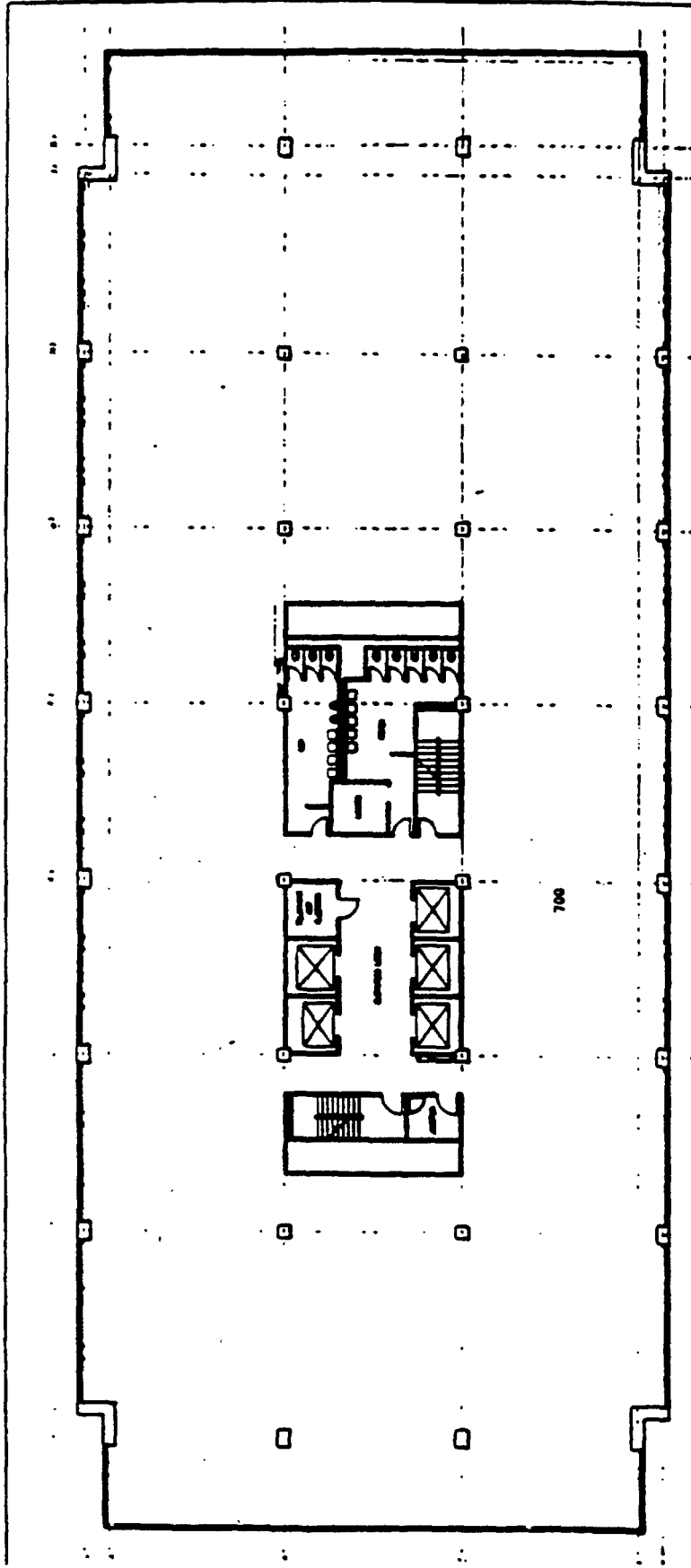
SUITE #	EXP. DATE	RENTABLE Sq. Ft.	TENANT'S NAME	ONE ALLEGHENY CENTER Ground Floor
G-30	M-T-M	163	DR. SKRENTA	 Allegheny Center
G-100	M-T-M	3,091	VACANT	
G-150	M-T-M	1,343	VACANT	
G-300	M-T-M	3,148	VACANT	
G-310	M-T-M	159	CHILDREN'S FESTIVAL	
G-410	M-T-M	97	PITTSBURGH LIFE UNDERWRITERS	
G-500	M-T-M	851	PITTSBURGH CHILDREN'S MUSEUM	
G-070	1/1/88	323	LABORERS COMBINED FUNDS	

NOTE: SPRAYED-ON FIREPROOFING THROUGHOUT ON BEAMS



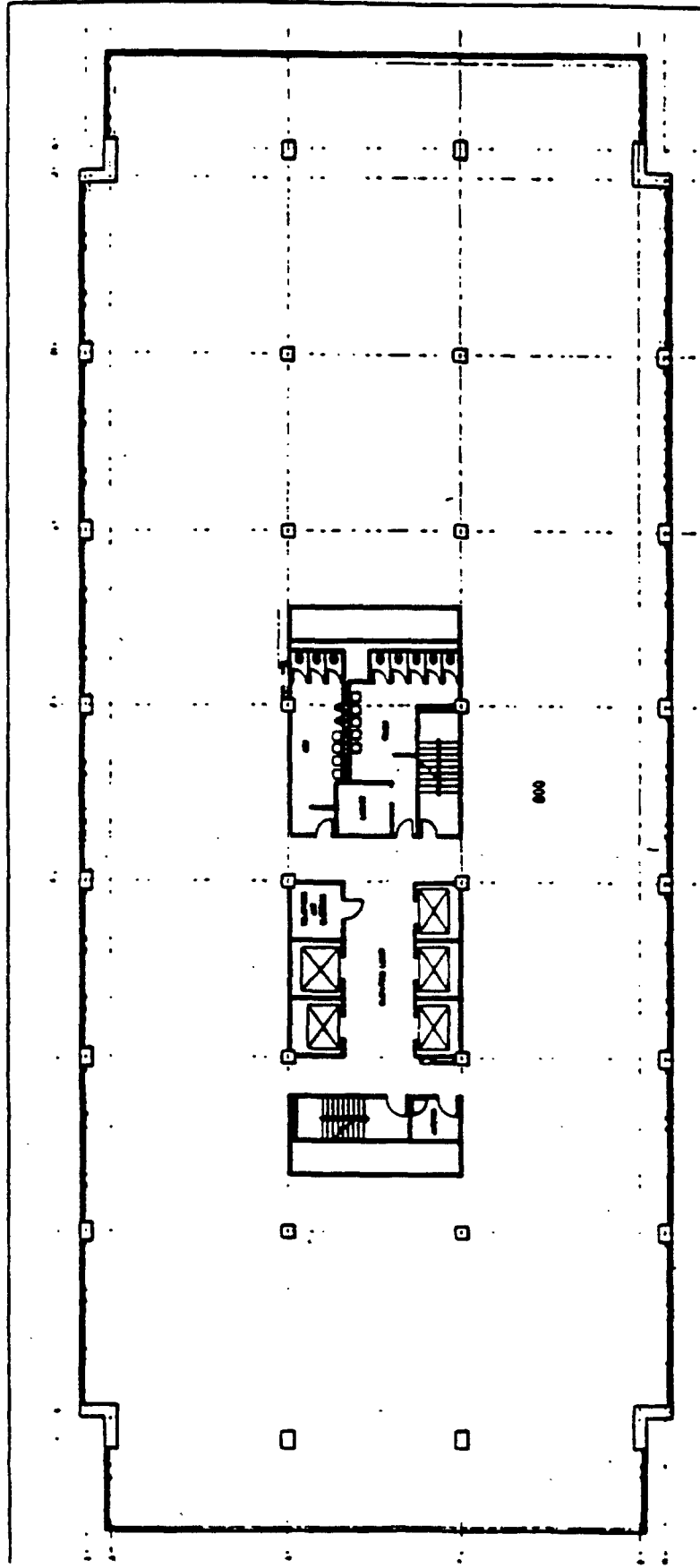
SUITE #	EXP. DATE	RENTABLE Sq. Ft.	TENANT'S NAME	TWO ALLEGHENY CENTER 6th Floor
622	6/29/92 6/31/96	17,943 3,446	DUQUESNE SYSTEMS DR. BERNARD COHEN (TO BE VACATED)	 Allegheny Center
624				

NOTE: SPRAYED-ON FIREPROOFING THROUGHOUT ON BEAMS AND DECKING
 VAT THROUGHOUT (EXCEPT IN STAIRWELLS AND BATHROOMS - SEE DEETER AND RITCHEY DRAWING A-20 for details)
 FITTINGS SPOTCHECKED WERE ALL FIBERGLASS



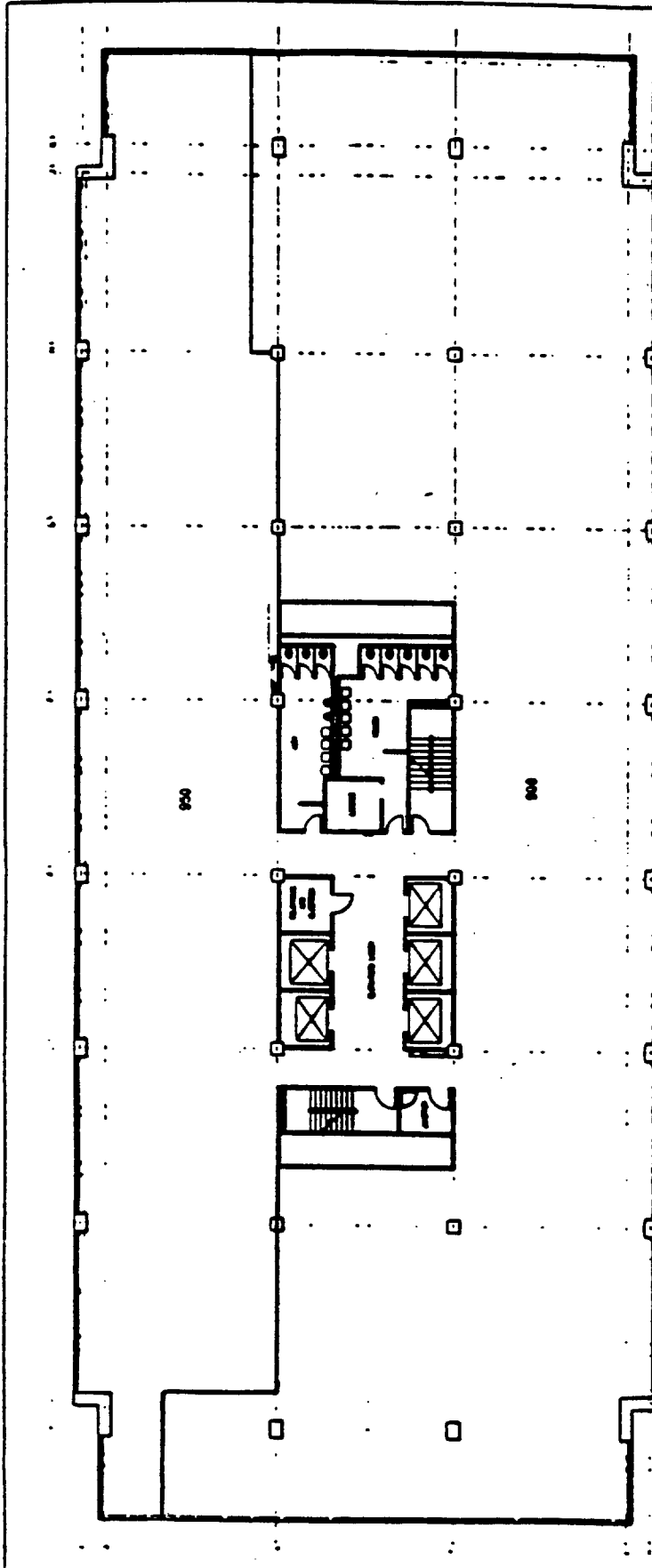
SUITE #	EXP. DATE	RENTABLE Sq. Ft.	TENANT'S NAME	TWO ALLEGHENY CENTER 7th Floor	
				 Allegheny Center	
00	6/30/03	21,740	DUQUESNE SYSTEMS		

NOTE: SPRAYED-ON FIREPROOFING THROUGHOUT ON BEAMS AND DECKING
 VAT THROUGHOUT (EXCEPT IN STAIRWELLS AND BATHROOMS - SEE DEETER AND RITCHEY DRAWING A-20 for details)
 FITTINGS SPOTCHECKED WERE ALL FIBERGLASS



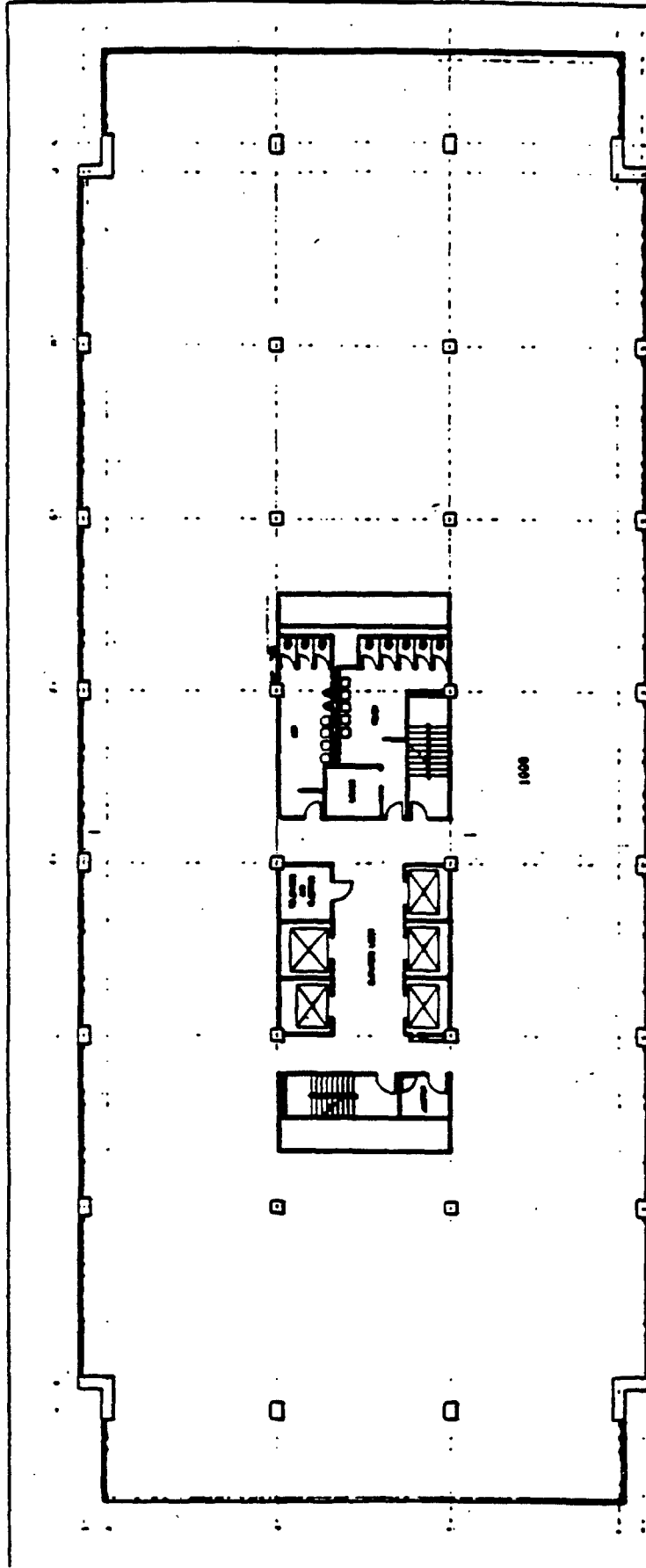
JITE #	EXP. DATE	RENTABLE Sq. Ft.	TENANT'S NAME	TWO ALLEGHENY CENTER 8th Floor	
				AMIS	
	12/31/98	20,400		 Allegheny Center	

NOTE: SPRAYED-ON FIREPROOFING THROUGHOUT ON BEAMS AND DECKING
 VAT THROUGHOUT (EXCEPT IN STAIRWELLS AND BATHROOMS - SEE DEETER AND RITCHEY DRAWING A-20 for details)
 FITTINGS SPOTCHECKED WERE ALL FIBERGLASS



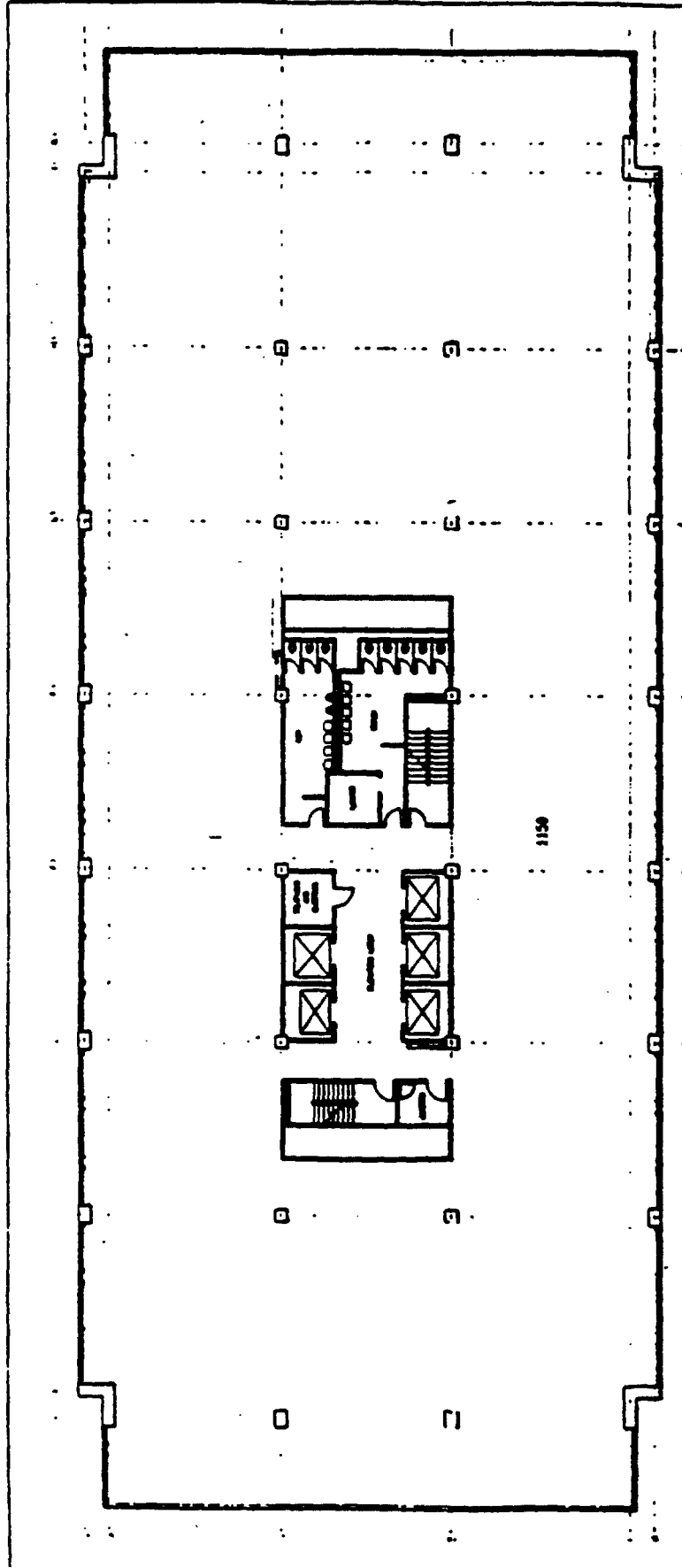
UNIT #	EXP. DATE	RENTABLE Sq. Ft.	TENANT'S NAME	TWO ALLEGHENY CENTER 9th Floor
10	3/31/91 6/30/91	12,100 8,100	HALCO MINING, INC. DUQUESNE SYSTEMS	 Allegheny Center
11				

NOTE: SPRAYED-ON FIREPROOFING THROUGHOUT ON BEAMS AND DECKING
 VAT THROUGHOUT (EXCEPT IN STAIRWELLS AND BATHROOMS - SEE DEETER AND RITCHEY DRAWING A-20 for details)
 FITTINGS SPOTCHECKED WERE ALL FIBERGLASS



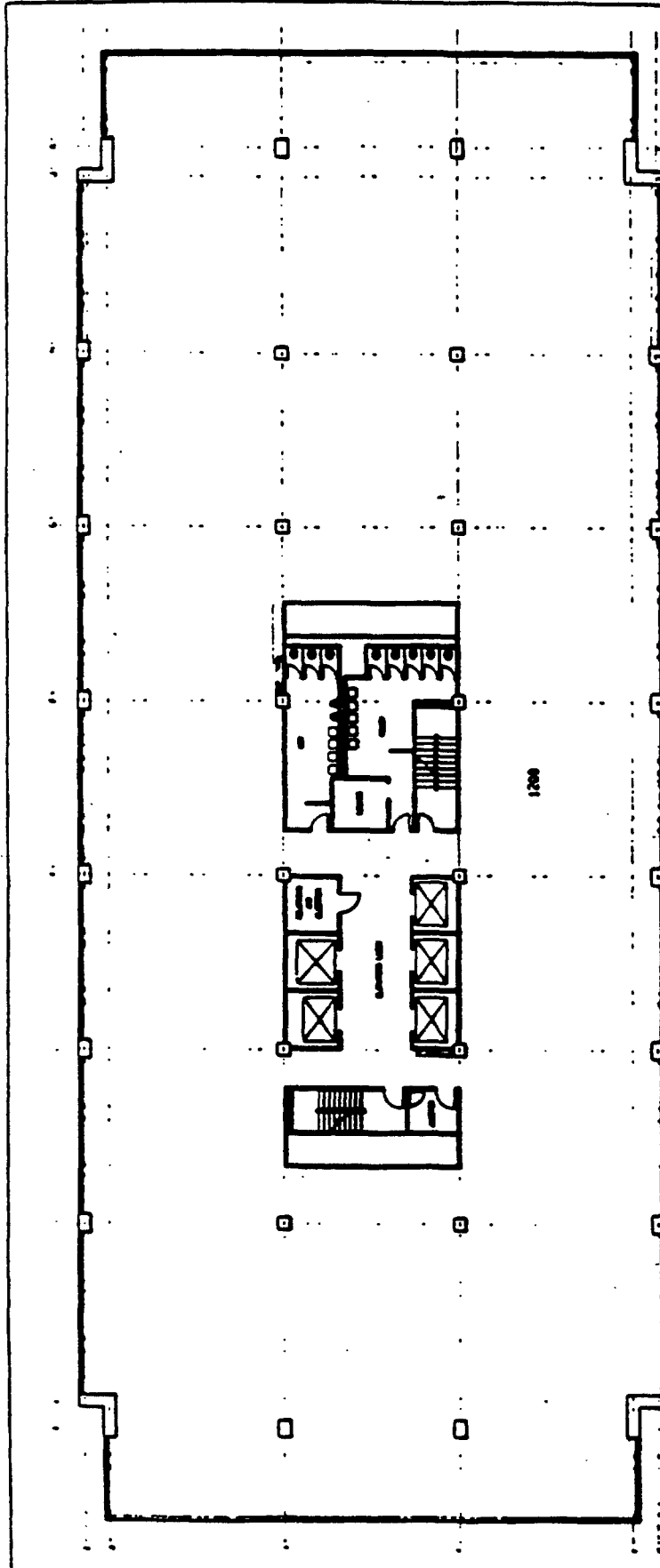
SUITE #	EXP. DATE	RENTABLE Sq. Ft.	TENANT'S NAME	TWO ALLEGHENY CENTER 10th Floor
1000	9/30/00	31,740	A. T. & T.	Alleggheny Center

NOTE: SPRAYED-ON FIREPROOFING THROUGHOUT ON BEAMS AND DECKING
 VAT THROUGHOUT (EXCEPT IN STAIRWELLS AND BATHROOMS - SEE DEETER AND RITCHEY DRAWING A-20 for details)
 FITTINGS SPOTCHECKED WERE ALL FIBERGLASS



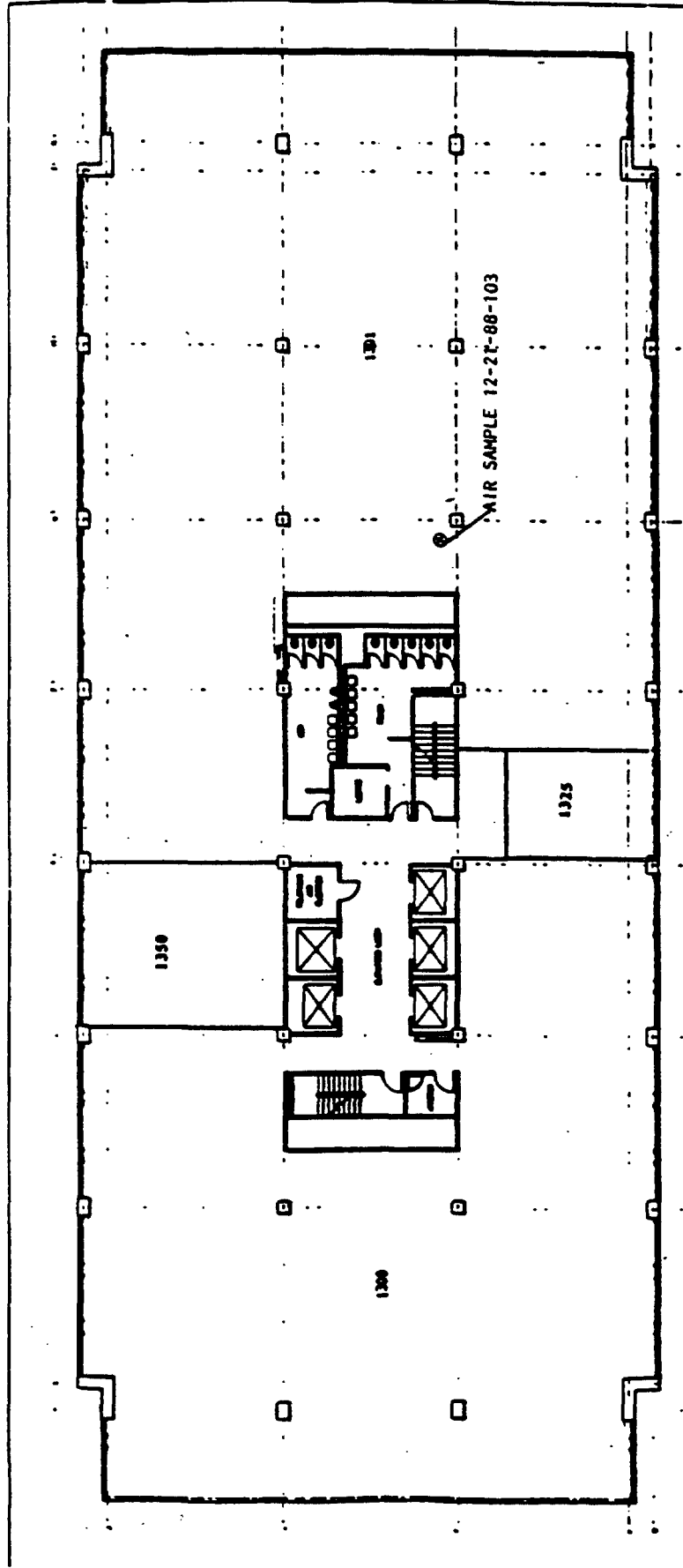
SUITE #	EXP. DATE	RENTABLE Sq. Ft.	TENANT'S NAME	TWO ALLEGHENY CENTER 11th floor
1150	9/30/93	21,740	DUQUESNE SYSTEMS	Alleggheny Center

NOTE: SPRAYED-ON FIREPROOFING THROUGHOUT ON BEAMS AND DECKING
 VAT THROUGHOUT (EXCEPT IN STAIRWELLS AND BATHROOMS - SEE DEETER AND RITCHEY DRAWING A-20 for details)
 FITTINGS SPOTCHECKED WERE ALL FIBERGLASS



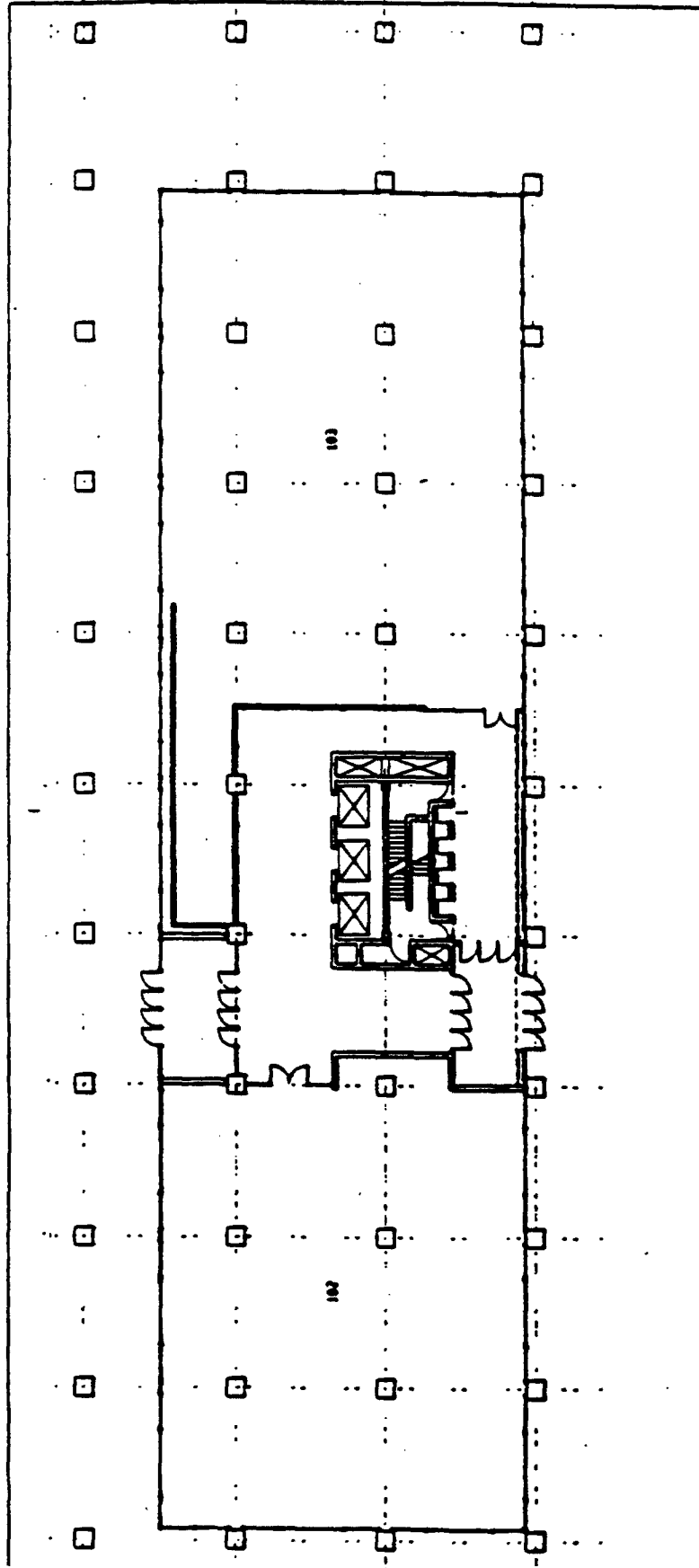
SUITE #	EXP. DATE	RENTABLE Sq. Ft.	TENANT'S NAME	TWO ALLEGHENY CENTER 12th Floor
1200	12/31/79	28,448	AMUS	 Allegheny Center

NOTE: SPRAYED-ON FIREPROOFING THROUGHOUT ON BEAMS AND DECKING
 VAT THROUGHOUT (EXCEPT IN STAIRWELLS AND BATHROOMS - SEE DEETER AND RITCHEY DRAWING A-20 for details)
 FITTINGS SPOTCHECKED WERE ALL FIBERGLASS



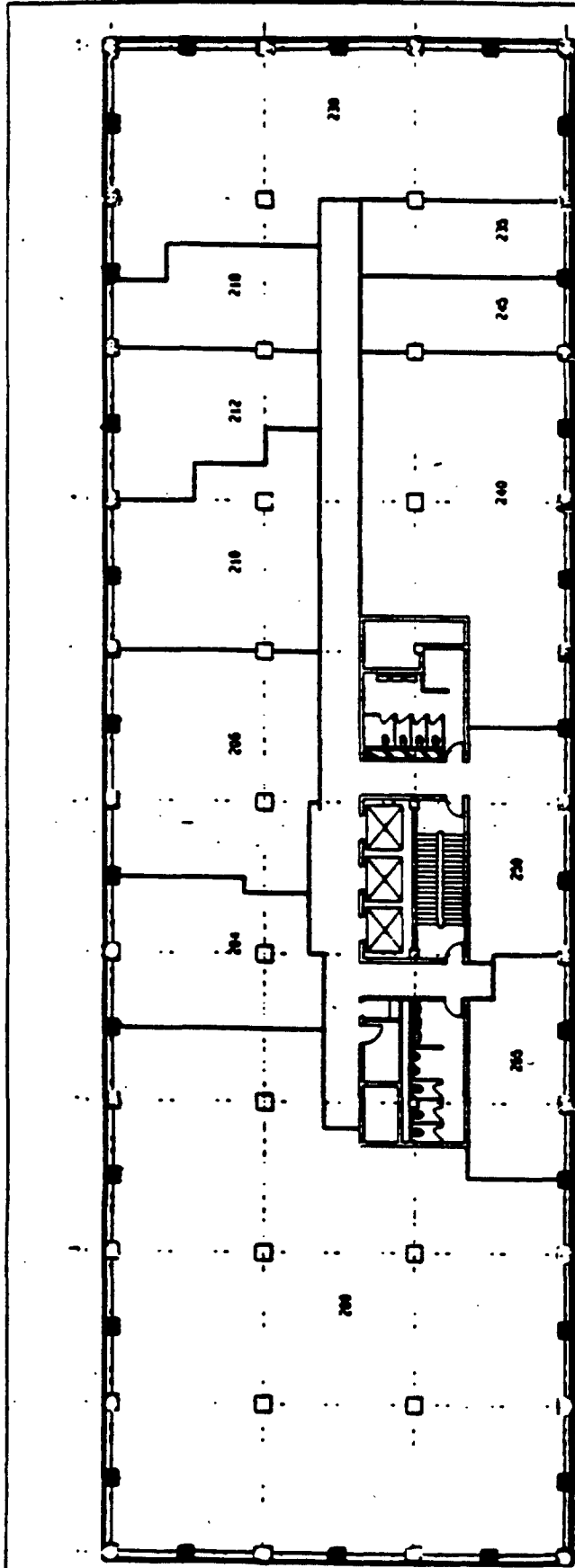
SUITE #	EXP. DATE	RENTABLE Sq. Ft.	TENANT'S NAME	TWO ALLEGHENY CENTER 13th Floor
1300 1301 1325 1350	4/30/93 6/30/93	8,314 11,938 888 883	COMMERCIAL UNION DUQUESNE SYSTEMS VACANT VACANT	 Allegheny Center

NOTE: SPRAYED-ON FIREPROOFING THROUGHOUT ON BEAMS AND DECKING
 VAT THROUGHOUT (EXCEPT IN STAIRWELLS AND BATHROOMS - SEE DEETER AND RITCHEY DRAWING A-20 for details)
 FITTINGS SPOTCHECKED WERE ALL FIBERGLASS



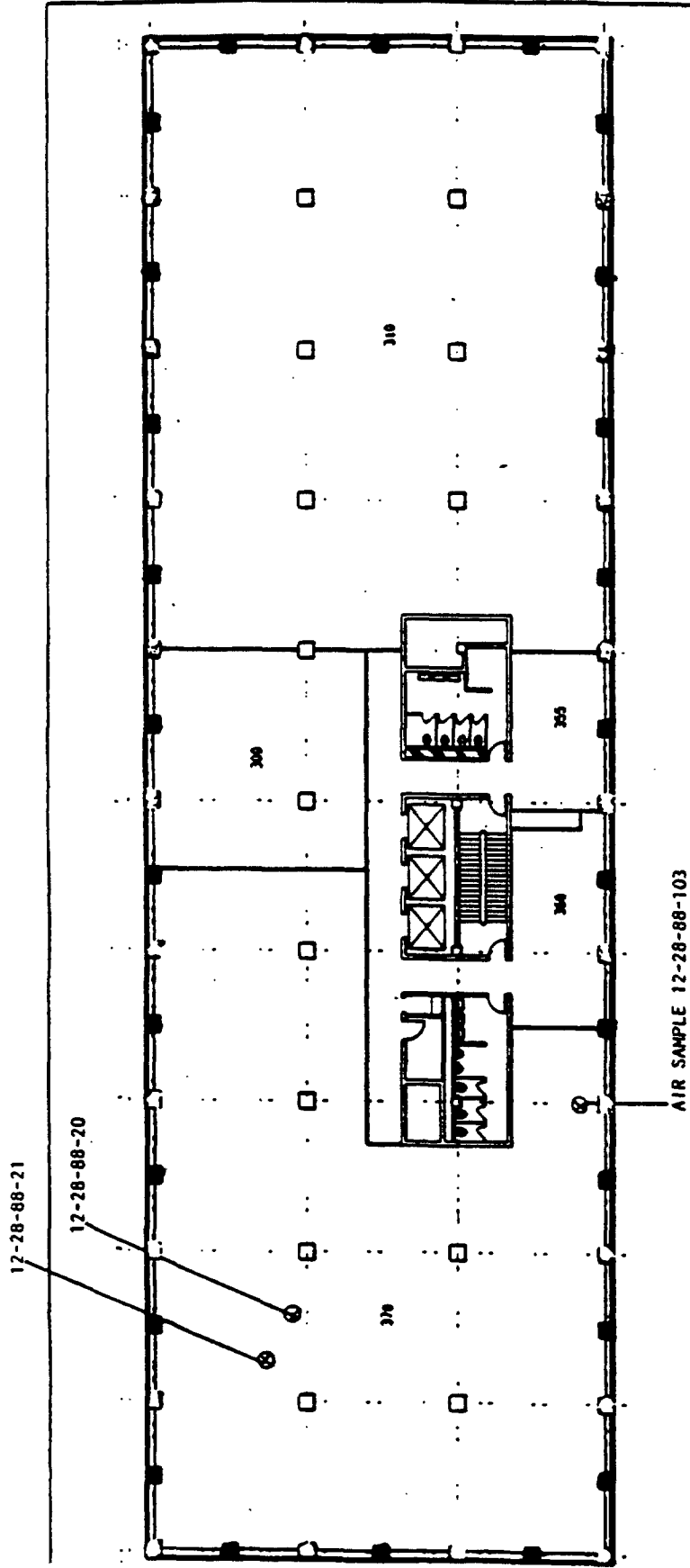
JITE #	EXP. DATE	RENTABLE Sq. Ft.	TENANT'S NAME	ONE ALLEGHENY CENTER 1st Floor	
				 Allegheny Center	
12	2/29/93	4,731	UNION NATIONAL BANK		
13		4,834	VACANT		

NOTE: SPRAYED-ON FIREPROOFING THROUGHOUT ON BEAMS



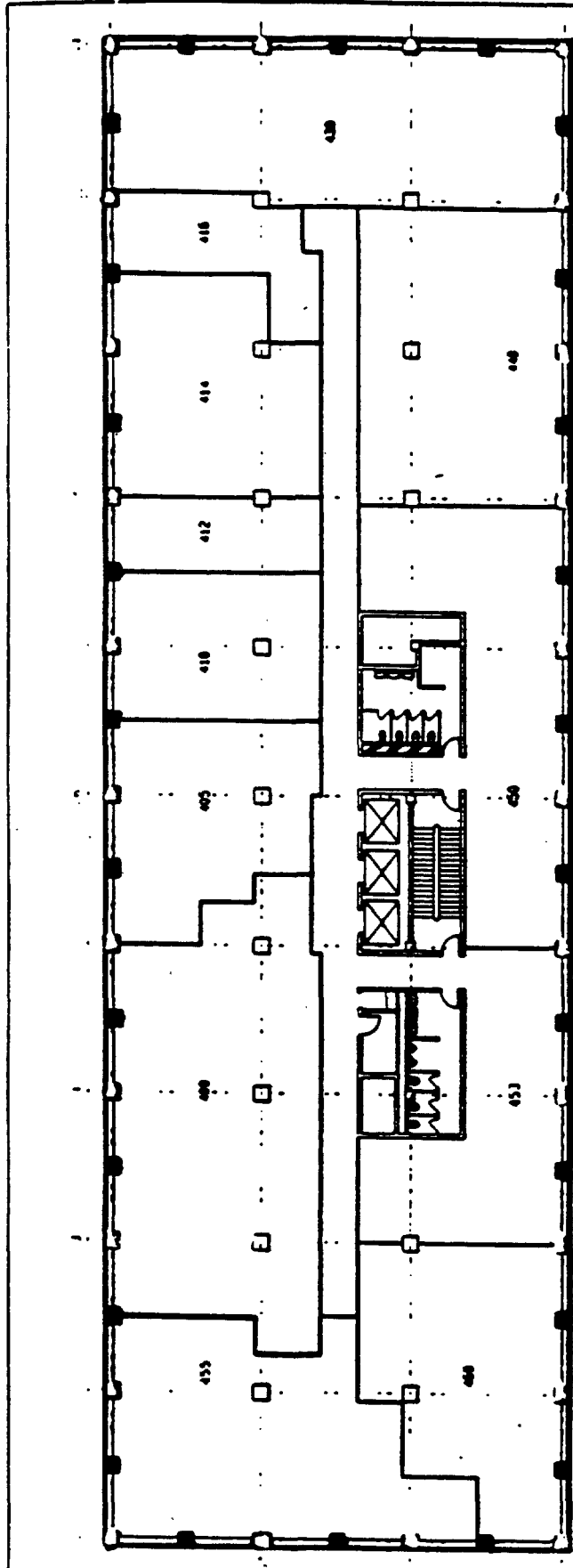
SITE #	EXP. DATE	RENTABLE Sq. Ft.	TENANT'S NAME	ONE ALLEGHENY CENTER 2nd Floor	
				 Allegheny Center	
1	9/31/89	1,300	VACANT	DR. HESKY (TO BE OCCUPIED 1/1/89) PITTSBURGH PRODUCTIONS STORAGE - ALLEGH. ANESTHESIOLOGY ALLEGHENY ANESTHESIOLOGY PITTSBURGH CHILDREN'S FESTIVAL PITTSBURGH LIFE UNDERWRITERS TEXCHRON (TO VACATE 1/31/89) MOORE BUSINESS FORMS	
2	9/31/93	1,413	DR. RICHTER		
3	9/31/93	1,218	DR. KING		
4	9/31/93	694	VACANT		
5	12/31/90	394	DR. HESKY (TO BE OCCUPIED 1/1/89)		
6	4/30/90	3,433	PITTSBURGH PRODUCTIONS		
7	M-T-14	469	STORAGE - ALLEGH. ANESTHESIOLOGY		
8	12/31/90	1,994	ALLEGHENY ANESTHESIOLOGY		
9	M-T-14	449	PITTSBURGH CHILDREN'S FESTIVAL		
10	7/31/92	711	PITTSBURGH LIFE UNDERWRITERS		
11	1/31/89	670	TEXCHRON (TO VACATE 1/31/89)		
12	4/30/93	5,440	MOORE BUSINESS FORMS		
13					
14					
15					
16					

NOTE: SPRAYED-ON FIREPROOFING THROUGHOUT ON BEAMS
 ■ PIPE CHASE (10 FITTINGS)
 ■ WET COLUMNS (5 FITTINGS IN EACH ONE)



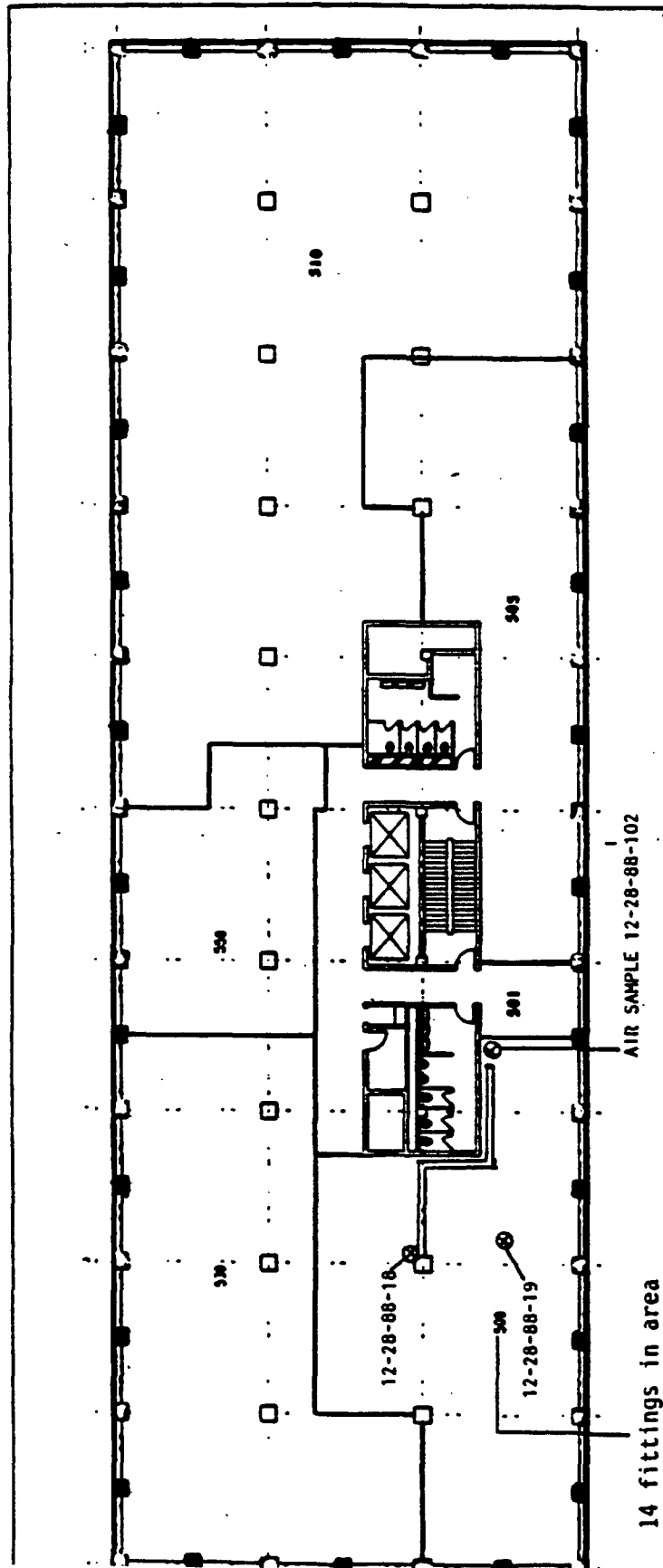
ITE #	EXP. DATE	RENTABLE Sq. Ft.	TENANT'S NAME	ONE ALLEGHENY CENTER 3rd Floor
1	12/31/88	1,344	WADDELL & REED	 Allegheny Center
2	12/31/88	9,198	LABORERS COMBINED FUNDS	
3	M-T-M	493	A. T. & T. - VACANT	
4	M-T-M	612	GIMBELS/BATUS, INC.	
		7,005	VACANT	

NOTE: SPRAYED-ON FIREPROOFING THROUGHOUT ON BEAMS
 [] PIPE CHASE (10 FITTINGS)
 [] WET COLUMNS (5 FITTINGS IN EACH ONE)



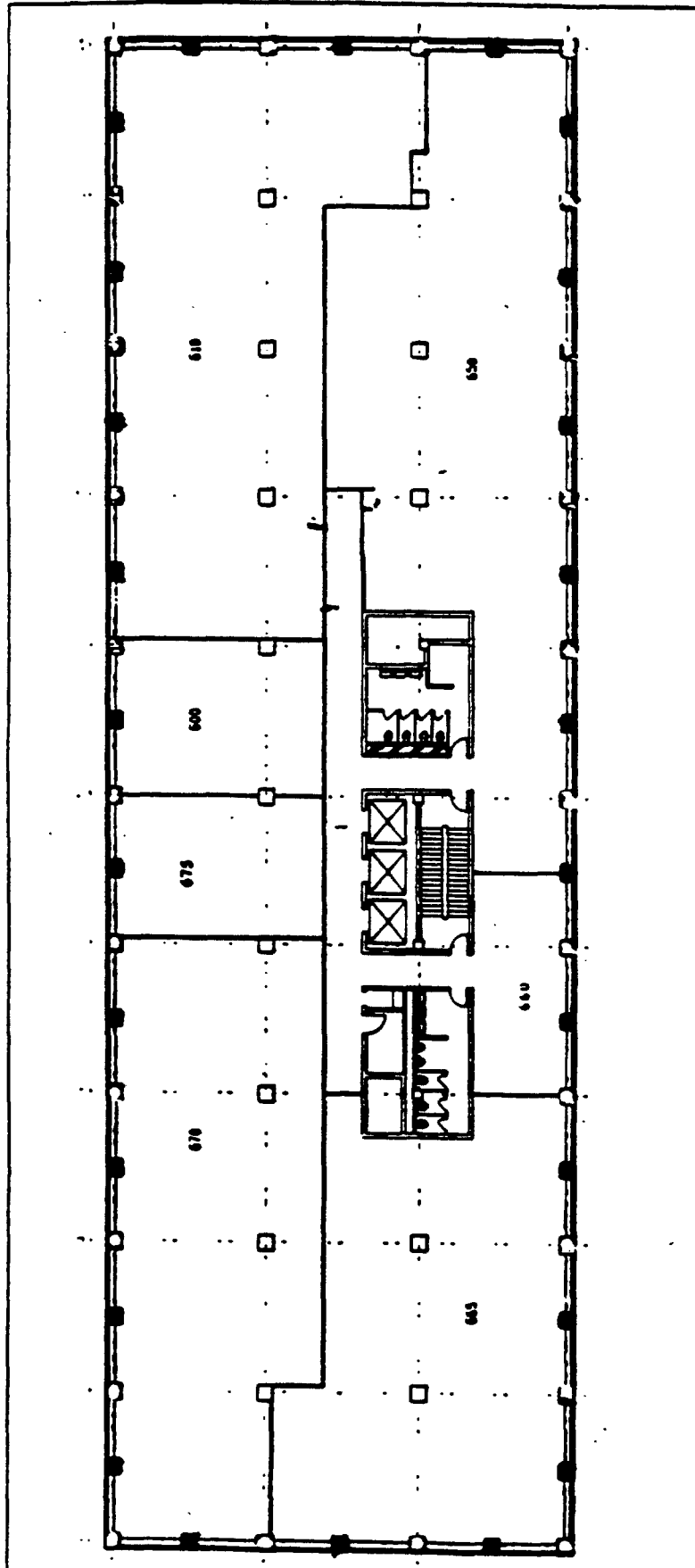
SUITE #		EXP. DATE	RENTABLE Sq. Ft.	TENANT'S NAME	ONE ALLEGHENY CENTER 4th Floor
00		9/30/92	3,613	DR. SHERENTA	 Allegheny Center
05		6/14/89	1,195	ASSOCIATES IN GASTROENTEROLOGY	
10		12/31/90	974	WADDELL & REED	
12		11/30/88	483	DR. MURPHY	
14			1,341	VACANT	
16			587	VACANT	
20		12/31/92	2,185	BANBAR ASSOCIATES	
40		6/30/92	1,377	CONTROL DATA	
50			1,727	VACANT	
53		7/31/93	1,328	PERSONNEL CONSULTANTS	
55			2,171	VACANT	
60		5/31/90	1,349	ALLEGHENY UROLOGY ASSOCIATES	

NOTE: SPRAYED-ON FIREPROOFING THROUGHOUT ON BEAMS
☒ PIPE CHASE (10 FITTINGS)
☒ WET COLUMNS (5 FITTINGS IN EACH ONE)



ITE #	EXP. DATE	RENTABLE Sq. Ft.	TENANT'S NAME	ONE ALLEGHENY CENTER 5th Floor
	9/31/91	2,877	VACANT	 Allegheny Center
		235	WORLD SHIPPING, INC.	
		2,494	VACANT	
	12/31/90	9,237	ALCOA CONDUCTOR PRODUCTS	
	4/30/93	3,848	MOORE BUSINESS FORMS	
		1,335	VACANT	

NOTE: SPRAYED-ON FIREPROOFING THROUGHOUT ON BEAMS
 ■ PIPE CHASE (10 FITTINGS)
 ■ WFT COLUMNS (5 FITTINGS IN EACH ONE)



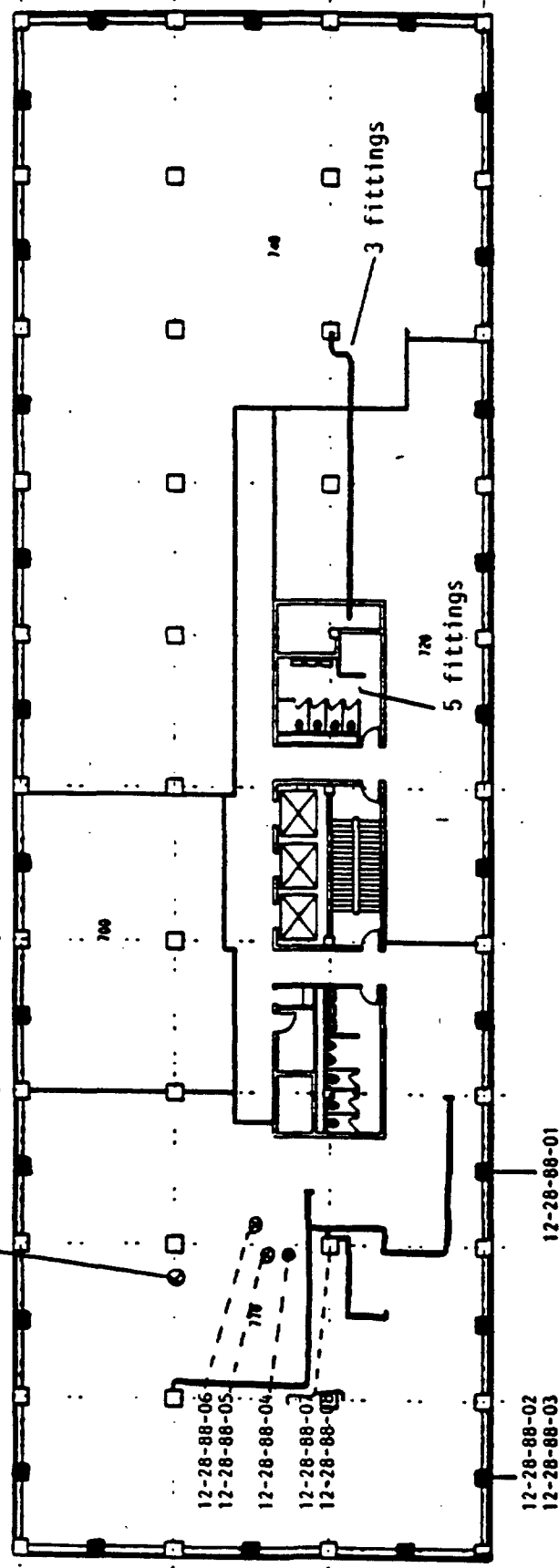
JITE #	EXP. DATE	RENTABLE Sq. Ft.	TENANT'S NAME	ONE ALLEGHENY CENTER 6th Floor
	3/30/09 11/30/09 12/31/09 4/30/09 12/31/00	900 4,094 8,331 483 3,140 3,741 792	MACK TRUCKS VACANT RESOURCE INVESTMENTS METRO TRAFFIC CONTROL GENERAL REHABILITATION ALCOA PITTSBURGH SALES VACANT	 Allegheny Center

NOTE: SPRAYED-ON FIREPROOFING THROUGHOUT ON BEAMS

■ PIPE CHASE (10 FITTINGS)

■ WET COLUMNS (5 FITTINGS IN EACH ONE)

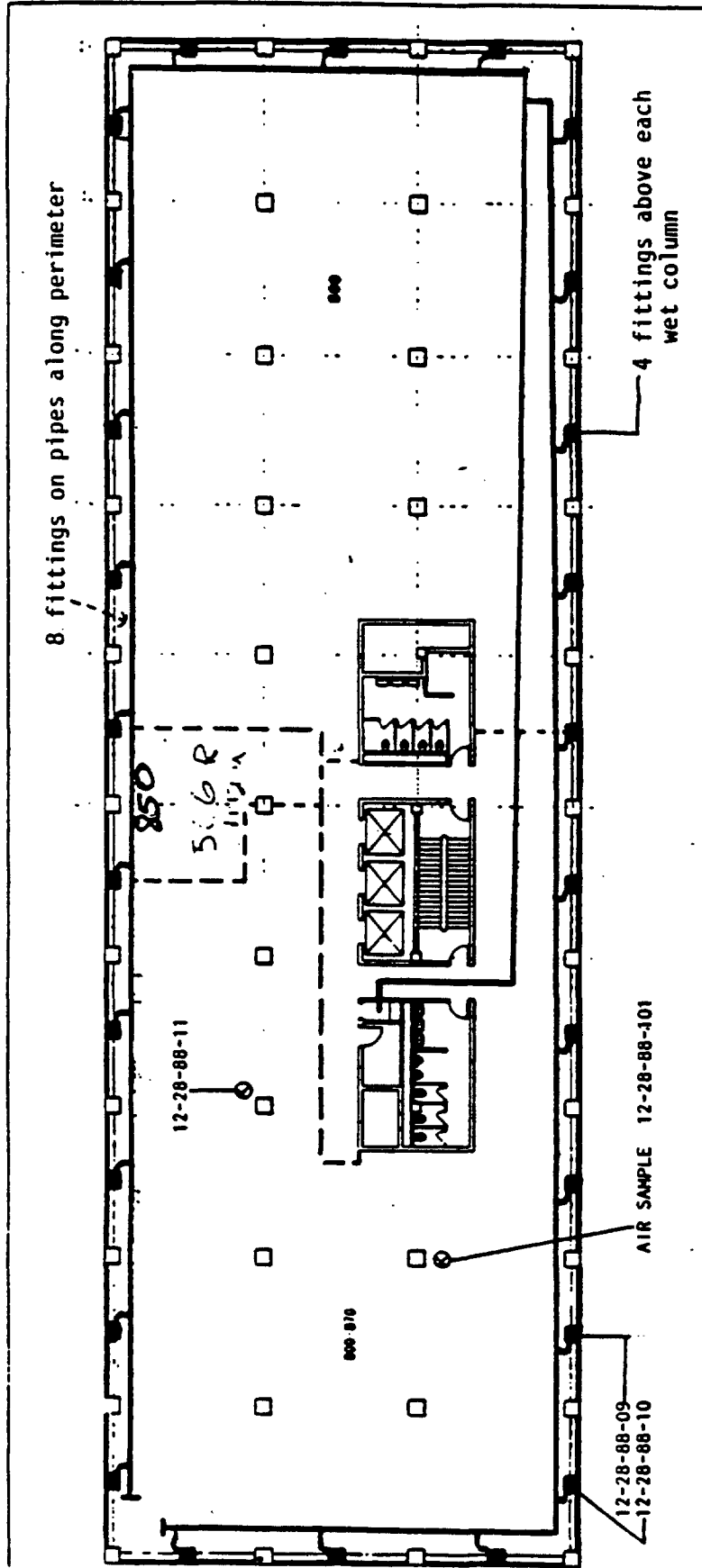
AIR SAMPLE 12-28-88-104



SUITE #	EXP. DATE	RENTABLE Sq. Ft	TENANT'S NAME	ONE ALLEGHENY CENTER 7th Floor
99				 Allegheny Center
20-740				
70				

NOTE: SPRAYED-ON FIREPROOFING THROUGHOUT ON BEAMS
☒ PIPE CHASE (10 FITTINGS)
☒ WET COLUMNS (5 FITTINGS IN EACH ONE)

**SEE DEETER & RITCHEY DRAWING P-2
for plumbing layout**



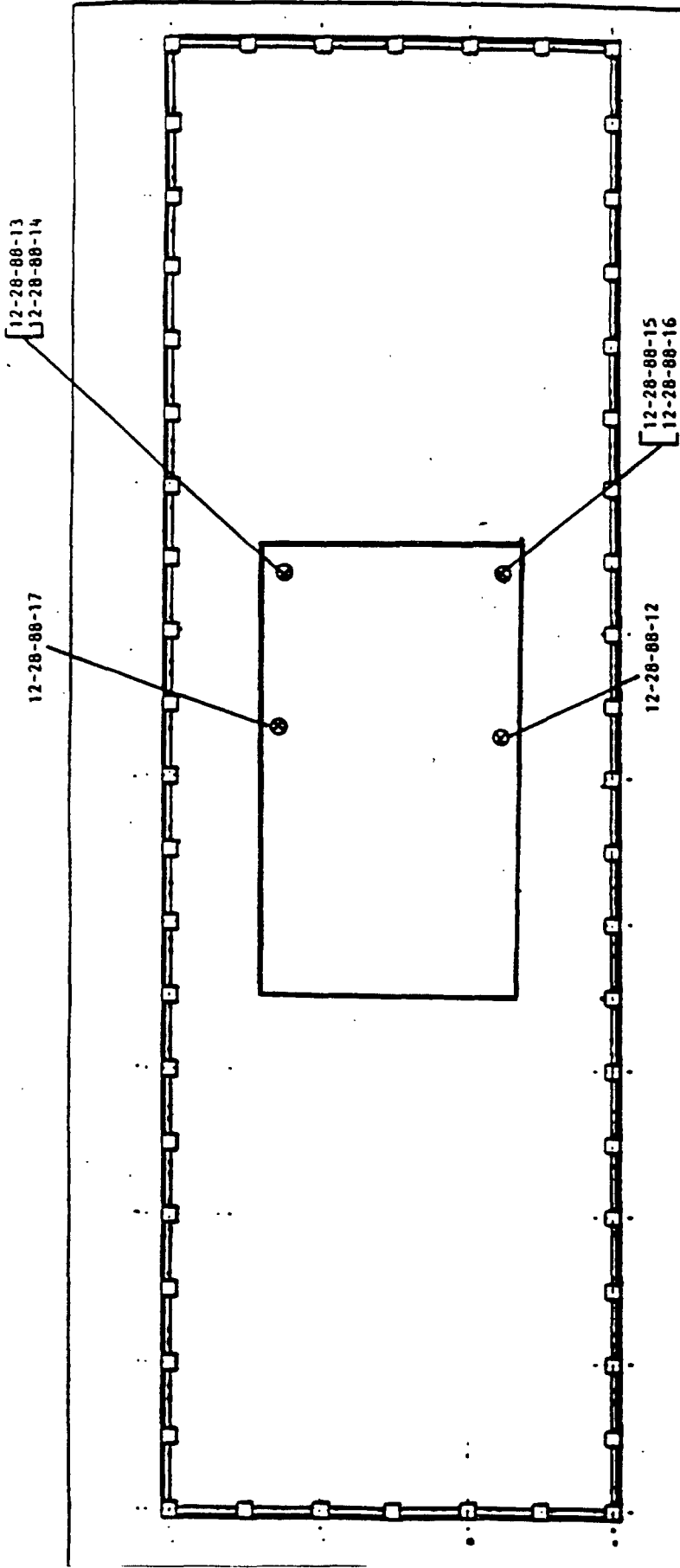
LINE #	EXP DATE	RENTABLE Sq. Ft.	TENANT'S NAME	ONE ALLEGHENY CENTER 8th Floor
	7/31/98	9,493 8,944	WWSW VACANT	
				Allegheny Center

NOTE: SPRAYED-ON FIREPROOFING THROUGHOUT ON BEAMS

■ PIPE CHASE (10 FITTINGS)

■ WFT COLUMNS (5 FITTINGS IN EACH ONE) AND 4 FITTINGS ABOVE EACH ONE

SEE DEETER & RITCHEY DRAWING M-2
for plumbing layout



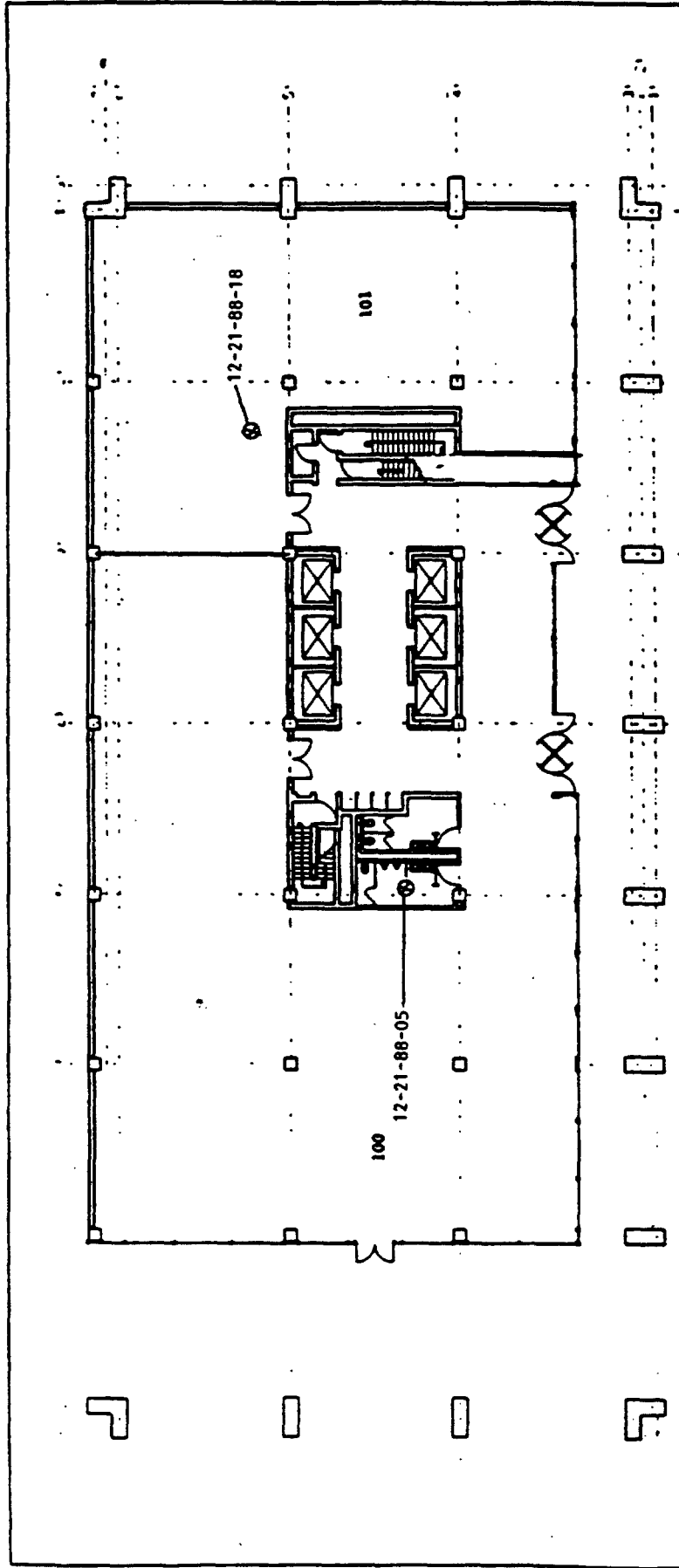
SUITE #	EXP. DATE	RENTABLE Sq. Ft.	TENANT'S NAME
			ONE ALLEGHENY CENTER PENTHOUSE
 Allegheny Center			

NOTE: SPRAYED-ON FIREPROOFING THROUGHOUT ON BEAMS AND WALLS

SEE DEETER & RITCHEY DRAWING M-3 & P-3 for piping layout

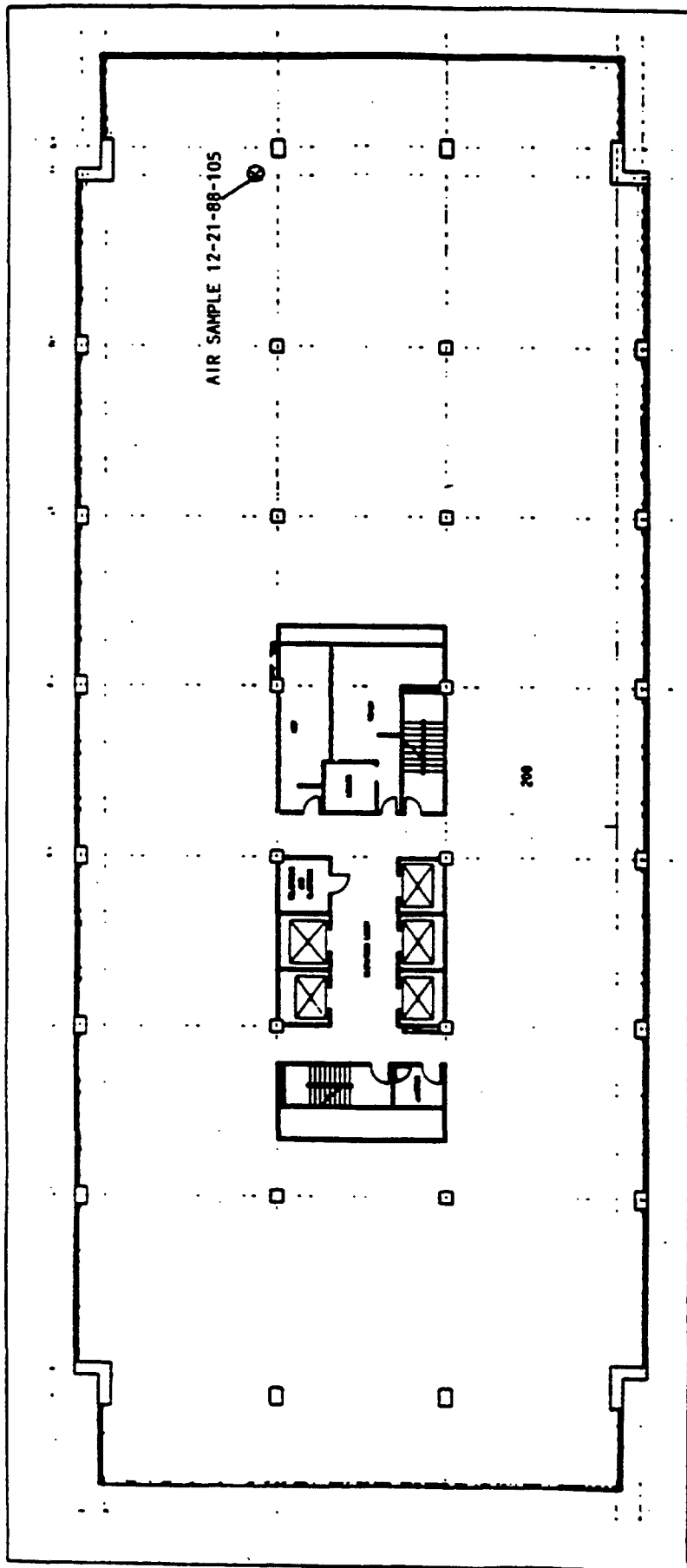
APPENDIX C

TWO ALLEGHENY CENTER DRAWINGS



SUITE #	EXP. DATE	RENTABLE Sq. Ft.	TENANT'S NAME	TWO ALLEGHENY CENTER 1st Floor
100	6/30/93	7,477	LAYNE EDUCATION	 Allegheny Center
101		3,848	VACANT AS OF 1/1/89	

NOTE: SPRAYED-ON FIREPROOFING THROUGHOUT ON BEAMS AND DECKING
VAT THROUGHOUT (EXCEPT IN STAIRWELLS AND BATHROOMS - SEE DEETER AND RITCHEY DRAWING A-20 for details)
FITTINGS SPOTCHECKED WERE ALL FIBERGLASS

SUITE # 200	EXP. DATE 12/31/90	RENTABLE Sq. Ft. 11,700	TENANT'S NAME AMCS	TWO ALLEGHENY CENTER 2nd Floor	 Allegheny Center
					

NOTE: SPRAYED-ON FIREPROOFING THROUGHOUT ON BEAMS AND DECKING
 VAT THROUGHOUT (EXCEPT IN STAIRWELLS AND BATHROOMS - SEE DEETER AND RITCHEY DRAWING A-20 for details)
 FITTINGS SPOTCHECKED WERE ALL FIBERGLASS

300 AIR SHAFT 12-21-88-02 12-21-88-01 12-21-88-03 12-21-88-04 1-4-89-17 1-4-89-18 10,331 RECOMMEND	SUITE # 300	EXP. DATE 12/31/90	RENTABLE Sq. Ft. 10,331	TENANT'S NAME AMIS	TWO ALLEGHENY CENTER 3rd Floor	
--	----------------------------------	---	--	---	--	--

NOTE: SPRAYED-ON FIREPROOFING THROUGHOUT ON BEAMS AND DECKING
 VAT THROUGHOUT (EXCEPT IN STAIRWELLS AND BATHROOMS - SEE DEETER AND RITCHEY DRAWING A-20 for details)
 FITTINGS SPOTCHECKED WERE ALL FIBERGLASS

SUITE #		EXP. DATE	RENTABLE Sq. Ft.	TENANT'S NAME	TWO ALLEGHENY CENTER 4th Floor
410			1,848	VACANT	
412			1,036	VACANT	
416			2,814	COMPUTERPEOPLE	
424			7,148	ALLEGHENY GENERAL HOSPITAL	
426			1,476	VACANT	
428			6,713	AMERICAN ELECTRIC	

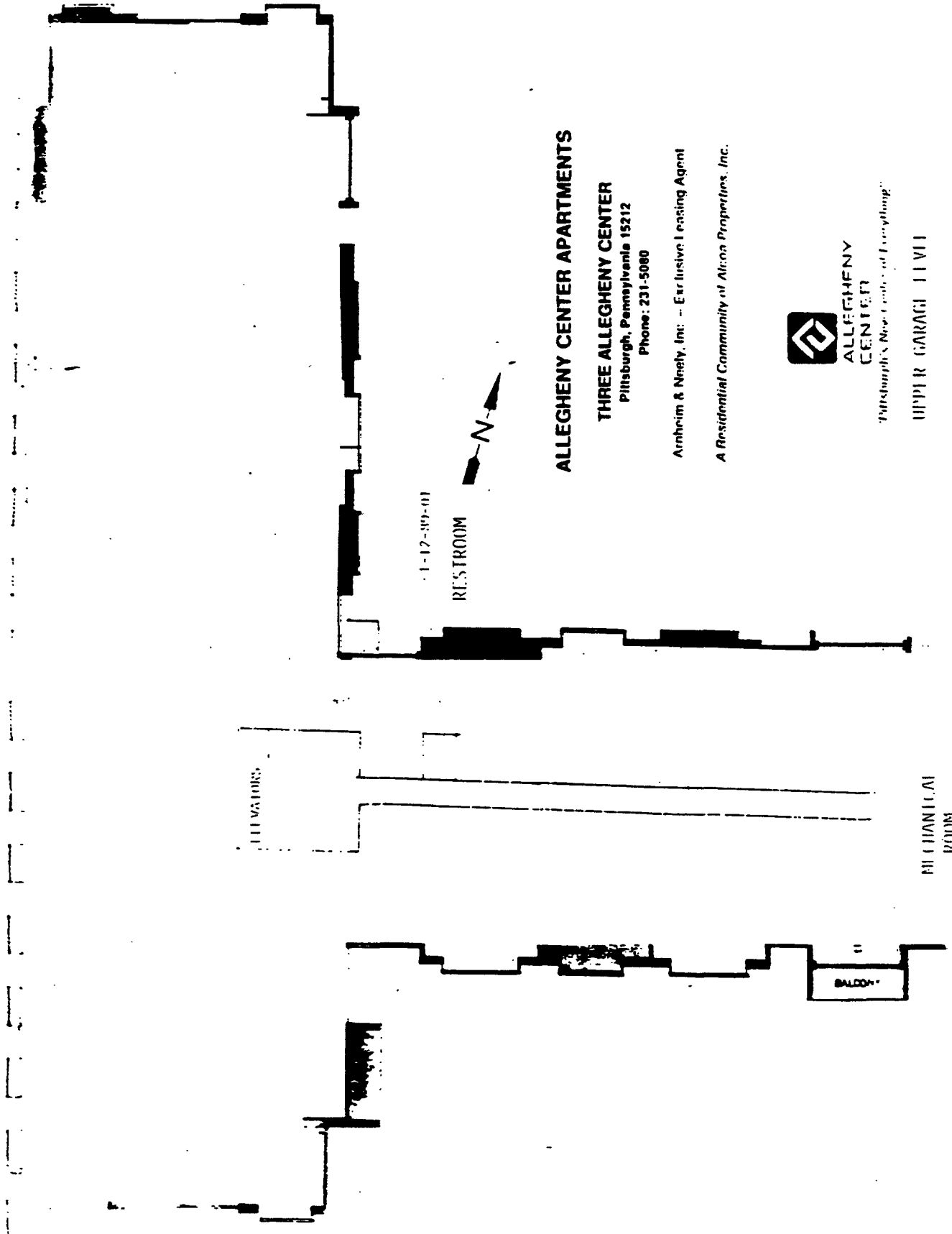
NOTE: SPRAYED-ON FIREPROOFING THROUGHOUT ON BEAMS AND DECKING
 VAT THROUGHOUT (EXCEPT IN STAIRWELLS AND BATHROOMS - SEE DEETER AND RITCHEY DRAWING A-20 for details)
 FITTINGS SPOTCHECKED WERE ALL FIBERGLASS

TWO ALLEGHENY CENTER 5th Floor					
					
SUITE #	EXP. DATE	RENTABLE Sq. Ft.	TENANT'S NAME		
500	8/31/89	2,377	COMPUTER TASK GROUP		
510	N-T-M	2,077	A. T. & T.		
520	10/31/88	449	DRS. COHEN AND DEMOS - STORAGE --		
525	4/30/91	648	MOORE BUSINESS FORMS		
527	8/31/89	2,045	DR. REUBEN ZEMEL		
530	10/31/89	8,461	DR. COHEN AND DEMOS		

NOTE: SPRAYED-ON FIREPROOFING THROUGHOUT ON BEAMS AND DECKING
 VAT THROUGHOUT (EXCEPT IN STAIRWELLS AND BATHROOMS - SEE DEETER AND RITCHEY DRAWING A-20 for details)
 FITTINGS SPOTCHECKED WERE ALL FIBERGLASS

APPENDIX D

THREE ALLEGHENY CENTER DRAWINGS



ALLEGHENY CENTER APARTMENTS

THREE ALLEGHENY CENTER
Pittsburgh, Pennsylvania 15212
Phone: 231-5080

Arnhem & Neely, Inc. - Exclusive Leasing Agent
A Residential Community of Alcoa Properties, Inc.



**ALLEGHENY
CENTER**

Pittsburgh's New Center of Everything

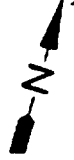
UPPER GARAGE LEVEL

VINYL ASBESTOS FLOOR TILES

OFFICE SYSTEMS

Entrance

ENTRANCE VESTIBULE



ALLEGHENY CENTER APARTMENTS

THREE ALLEGHENY CENTER

Pittsburgh, Pennsylvania 15212

Phone: 231-5080

Arntheim & Neely, Inc. - Exclusive Leasing Agent

A Residential Community of Alcon Properties, Inc.



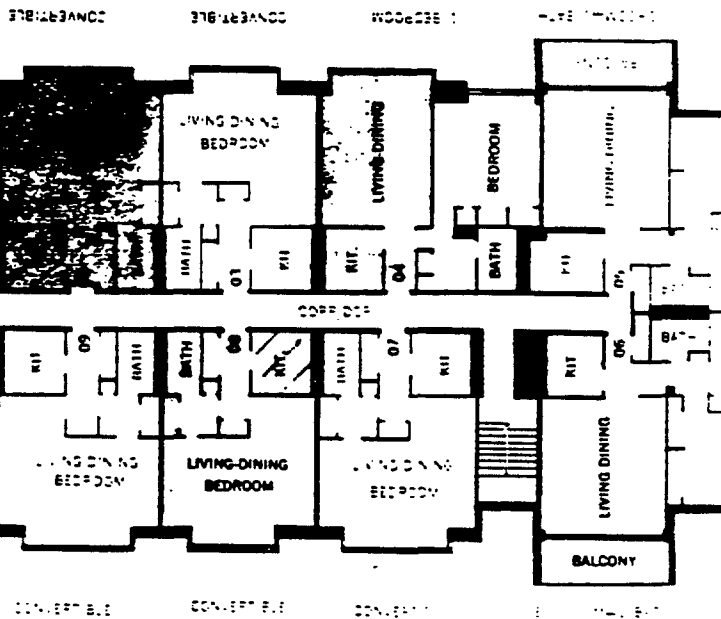
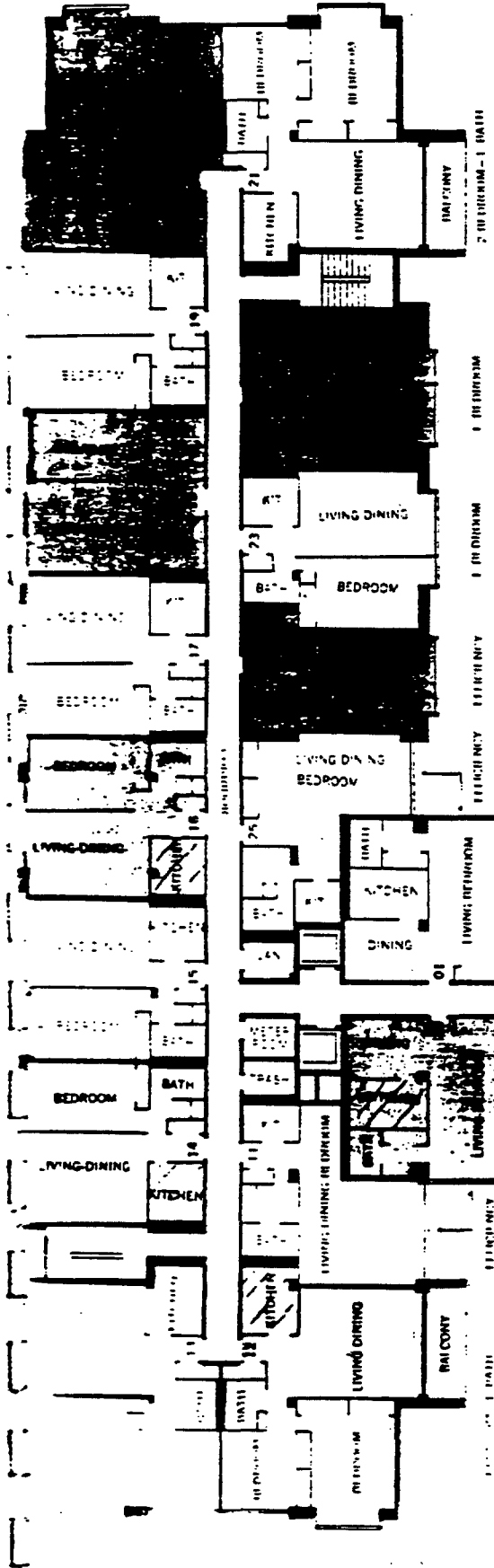
ALLEGHENY
CENTER

"Pittsburgh's New Standard of Living"

LORRY 1100R

BALCONY

ENTRANCE, LORRY 1100R



ALLEGHENY CENTER APARTMENTS

THREE ALLEGHENY CENTER
Pittsburgh, Pennsylvania 15212
Phone: 231-5080

Arnhelm & Neely, Inc. - Exclusive Leasing Agent

A Residential Community of Alcoa Properties, Inc.

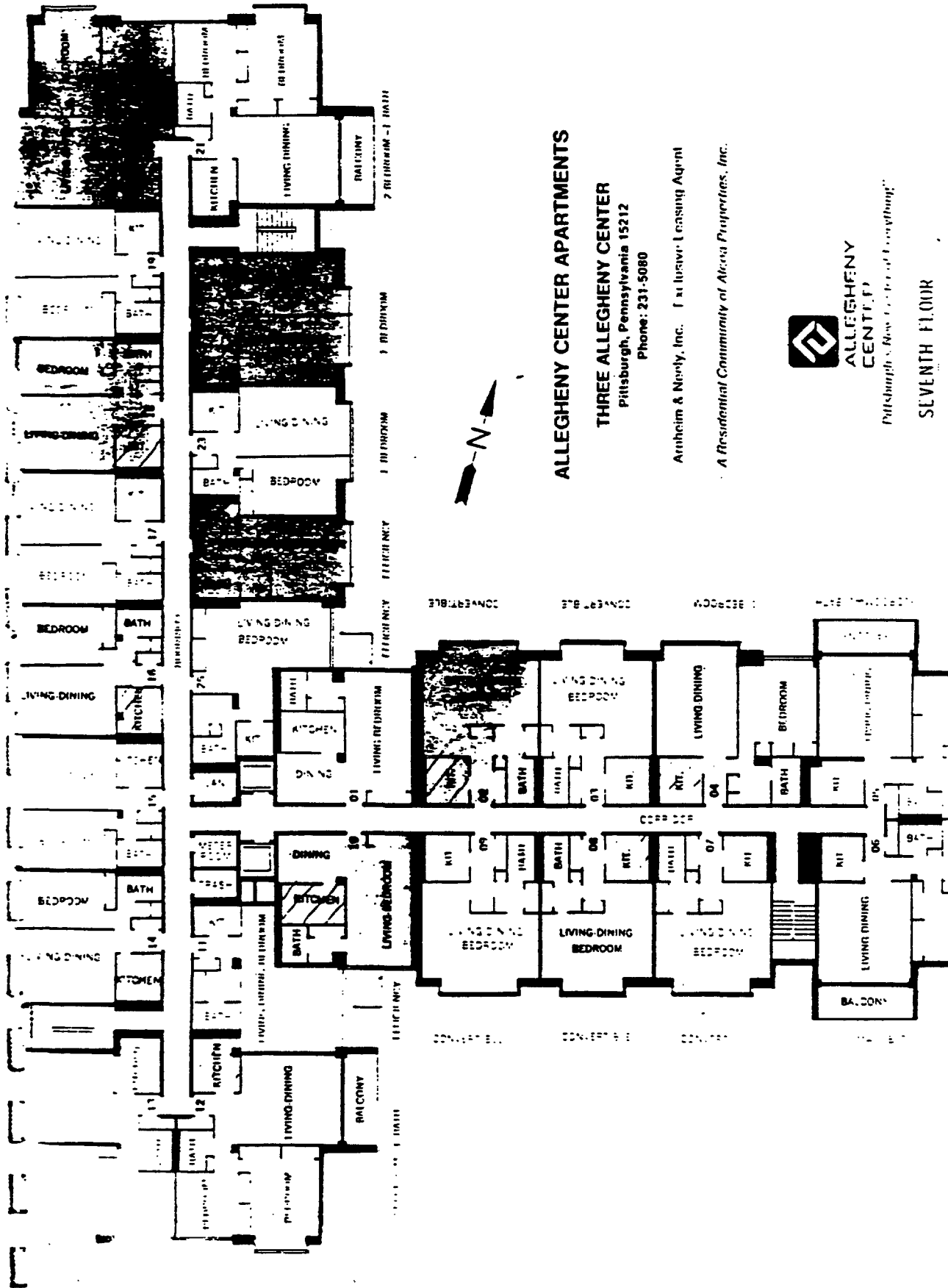


ALLEGHENY
CENTER

Pittsburgh's New Center of Living

FLOORS ONE THROUGH SIX

VIEW AVAILABLE FLOOR PLAN (in all kitchens)



ALLEGHENY CENTER APARTMENTS

THREE ALLEGHENY CENTER
 Pittsburgh, Pennsylvania 15212
 Phone: 231-5080

Arrheim & Neely, Inc. Exclusive Leasing Agent
 A Residential Community of Alcoa Properties, Inc.



ALLEGHENY
 CENTER

Pittsburgh's New Center of Everything

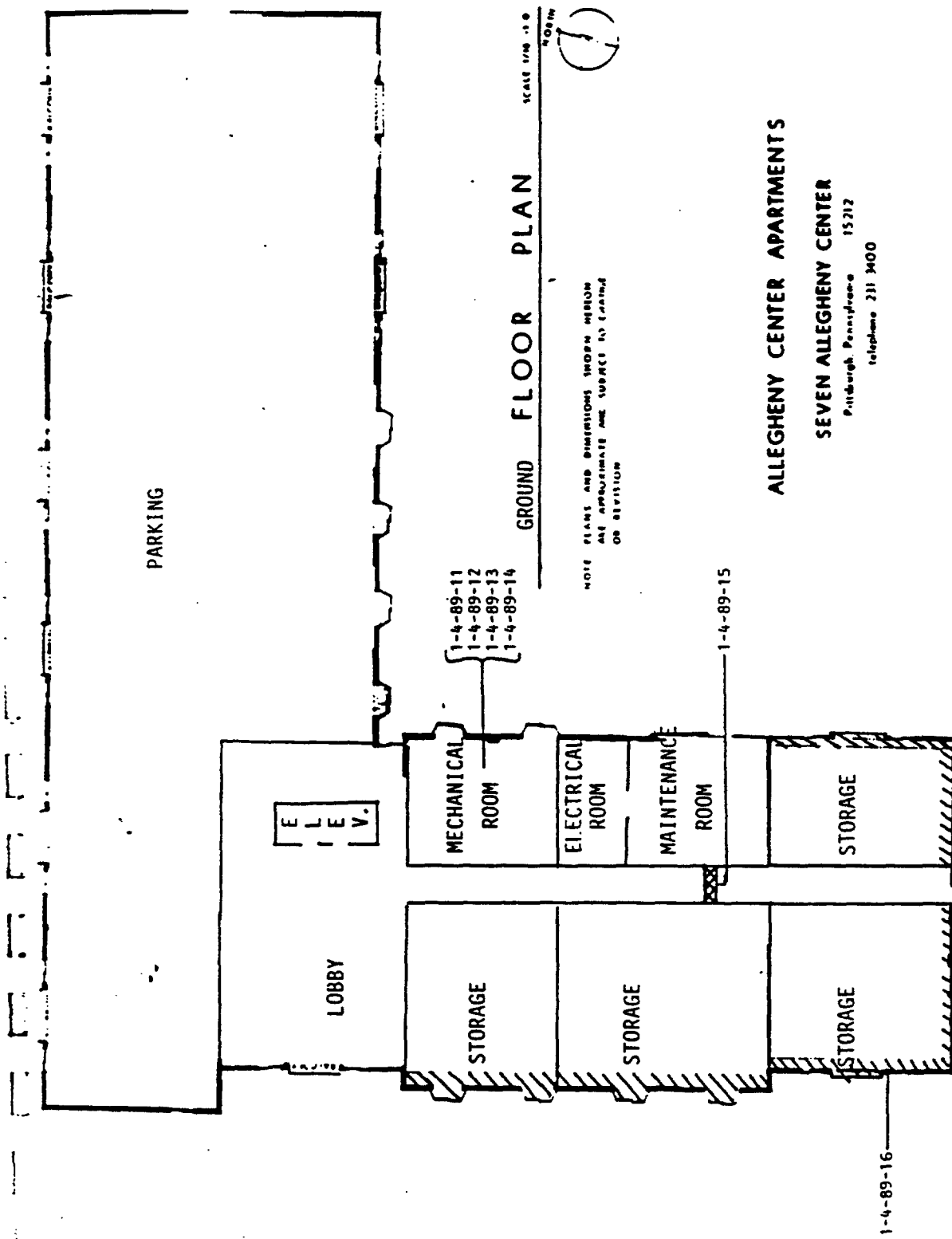
SEVENTH FLOOR

NOTE: 60 fittings in hallway (above plaster ceiling)

WITH A.P. 105 FLOOR TIE

APPENDIX E

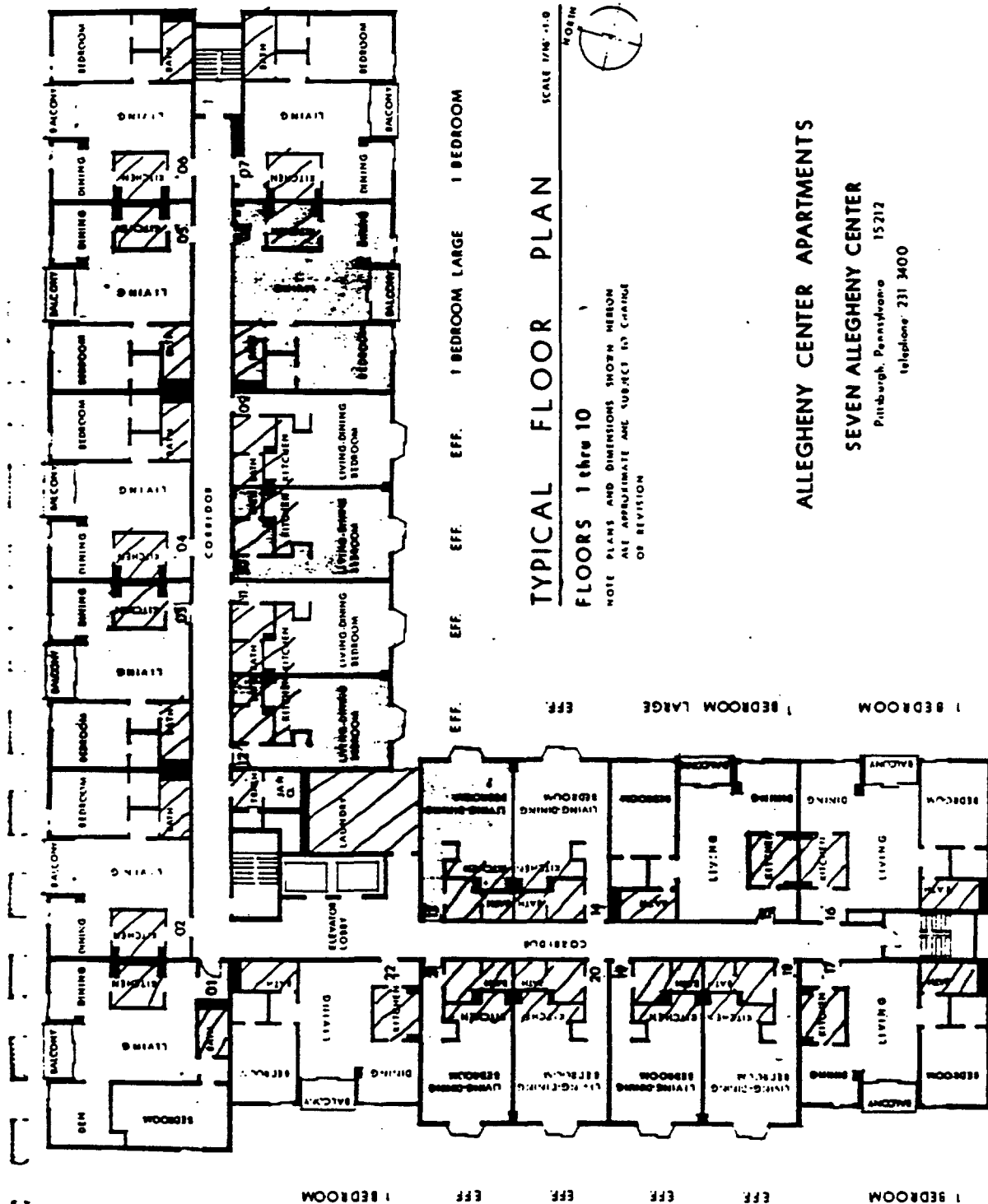
SEVEN ALLEGHENY CENTER DRAWINGS



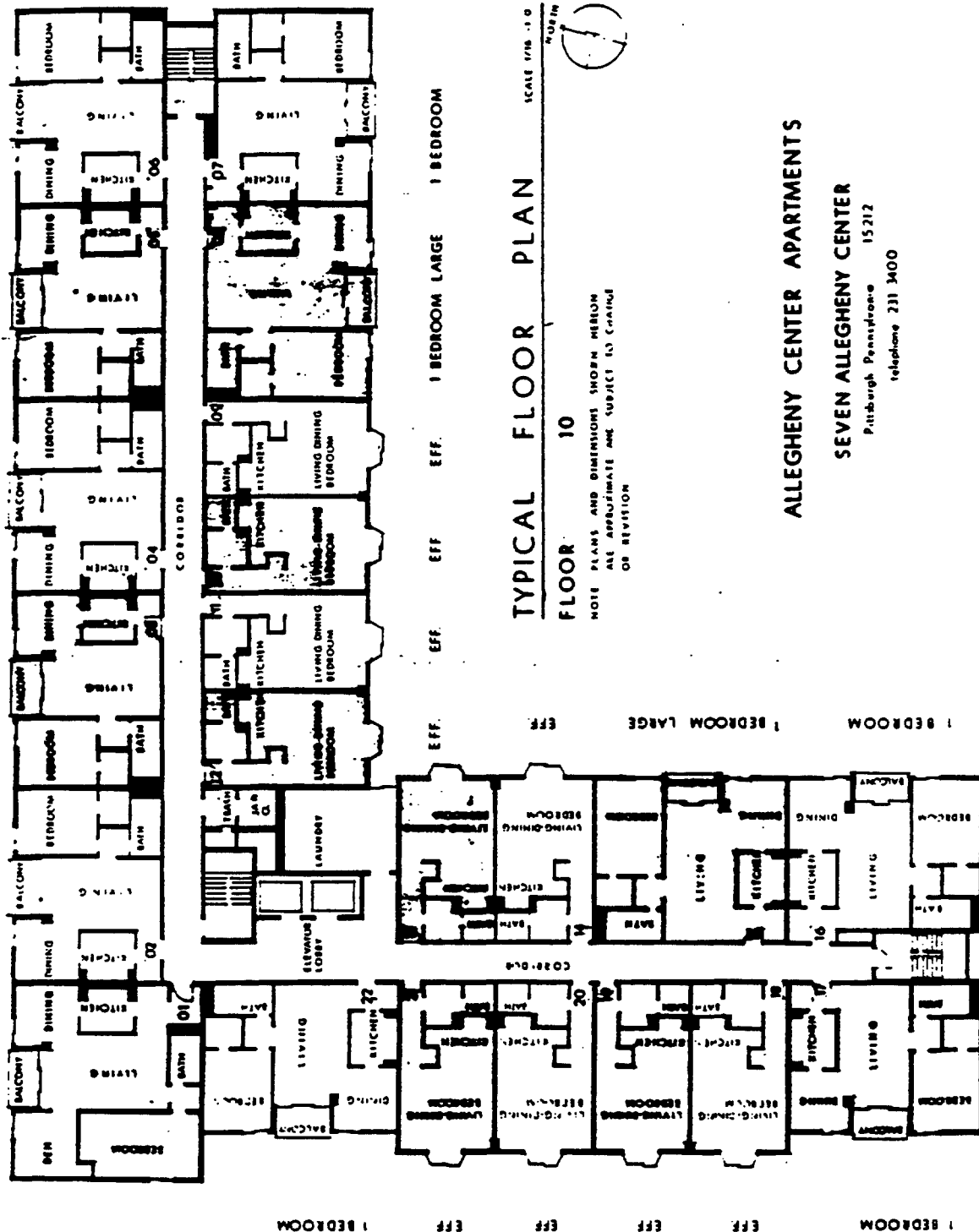
ALLEGHENY CENTER APARTMENTS

SEVEN ALLEGHENY CENTER
 Pittsburgh, Pennsylvania 15212
 Telephone 231-3400

- ☒ TRANSITE WALL PANELS
- ☒ SPRAYED-ON FIREPROOFING (ON BEAM ABOVE PLASTER CEILING)



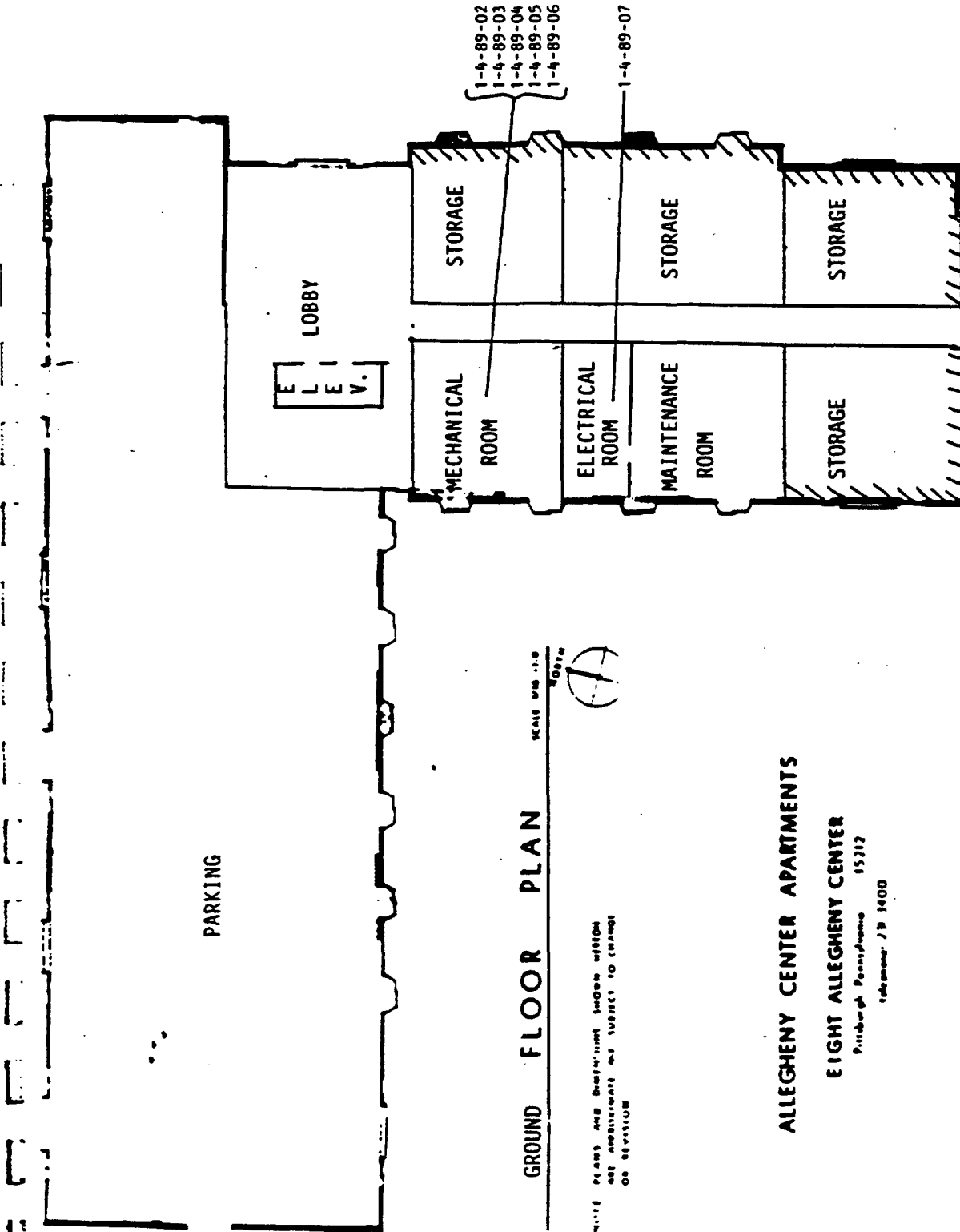
VINYL ASBESTOS FLOOR TILE (9" SQUARES)



NOTE: FIREPROOFING ON DUCTS ABOVE PLASTER CEILINGS
SEE COLLINS AND KRENSTADT DRAWING M-3 FOR LOCATIONS

APPENDIX F

EIGHT ALLEGHENY CENTER DRAWINGS



GROUND FLOOR PLAN SCALE 1/8" = 1'-0"

ALL PLANS AND DIMENSIONS SHOWN HEREON
ARE APPROXIMATE AND SUBJECT TO CHANGE
OR REVISION



ALLEGHENY CENTER APARTMENTS

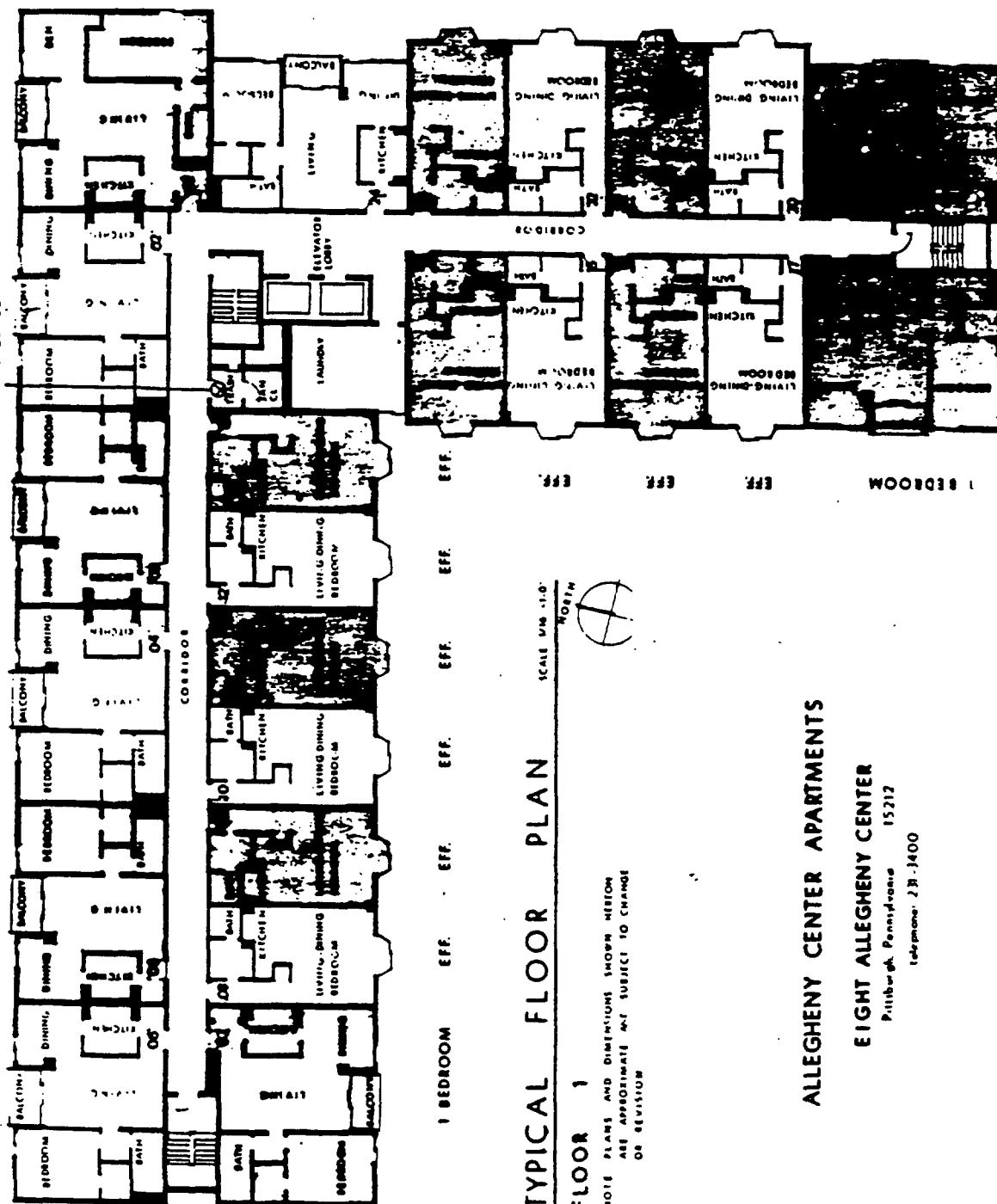
EIGHT ALLEGHENY CENTER

Pittsburgh, Pennsylvania 15212

Telephone 724-1400

TRANSITE WALL PANELS

1-4-89-08



TYPICAL FLOOR PLAN

FLOOR 1

MOLE PLANS AND DIMENSIONS SHOWN HEREIN
ARE APPROXIMATE AND SUBJECT TO CHANGE
OR REVISION

10-11-1964

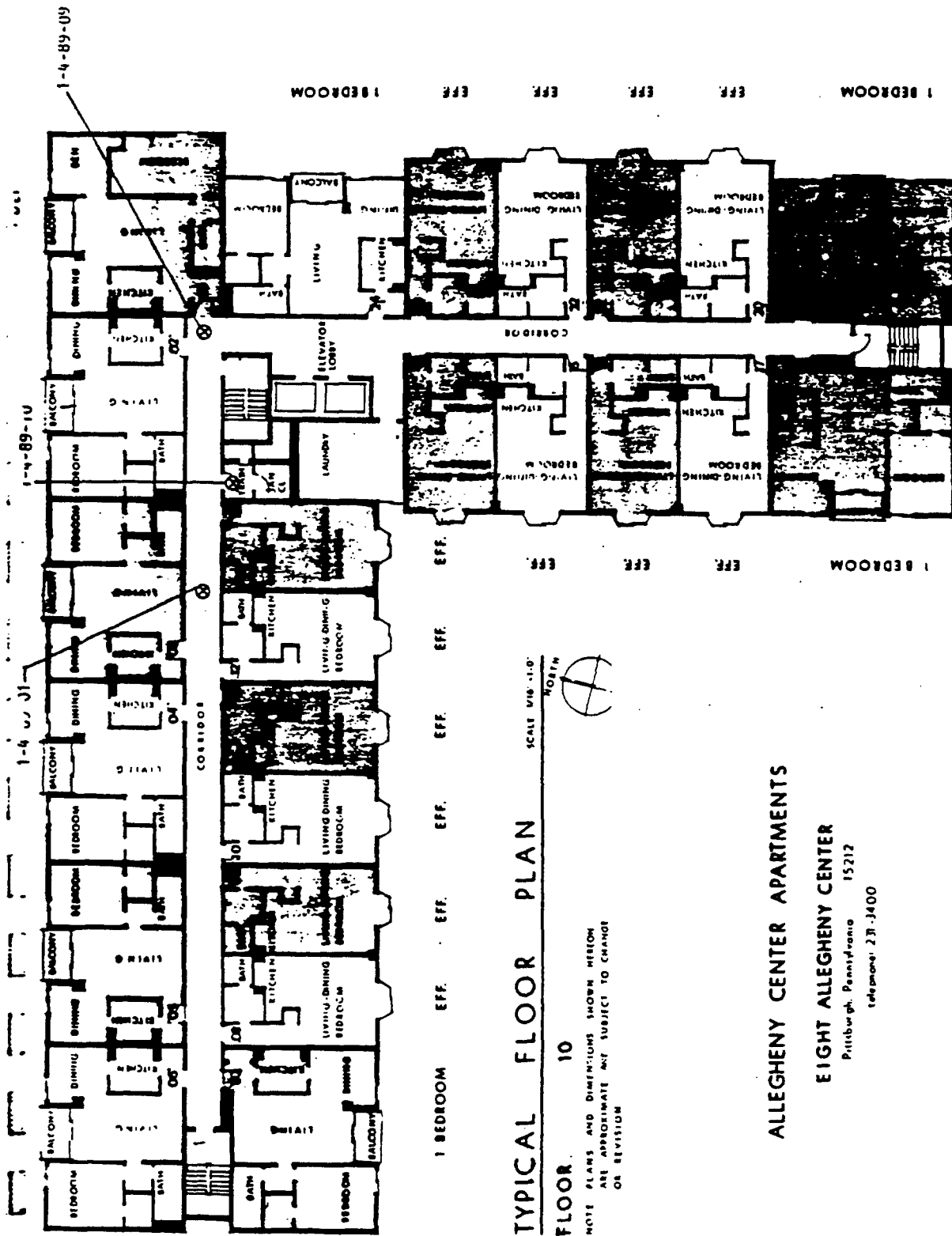


ALLEGHENY CENTER APARTMENTS

EIGHT ALLEGHENY CENTER

Pittsburgh, Pennsylvania 15212

Telephone: 214-3400



FLOOR. 10

TYPICAL FLOOR PLAN

SCALE 100-1.0

FLOOR. 10

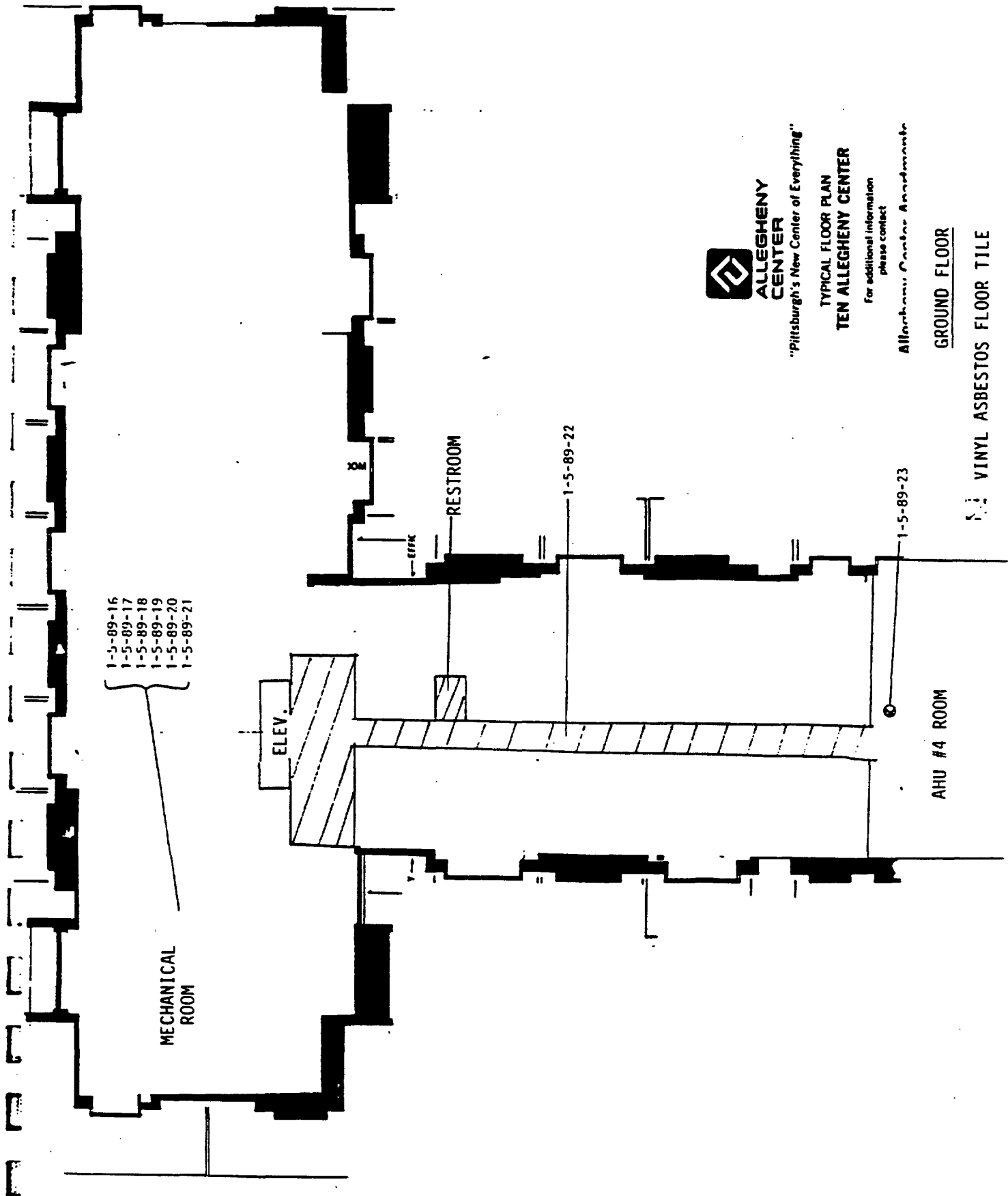
ALLEGHENY CENTER APARTMENTS

Pittsburgh, Pennsylvania 15212
Telephone: 271-3400

**NOTE: FIREPROOFING ON DUCTS ABOVE PLASTER CEILINGS
SEE COLLINS AND KRENSTADT DRAWING M-3 FOR LOCATIONS**

APPENDIX G

TEN ALLEGHENY CENTER DRAWINGS



**ALLEGHENY
CENTER**

"Pittsburgh's New Center of Everything"

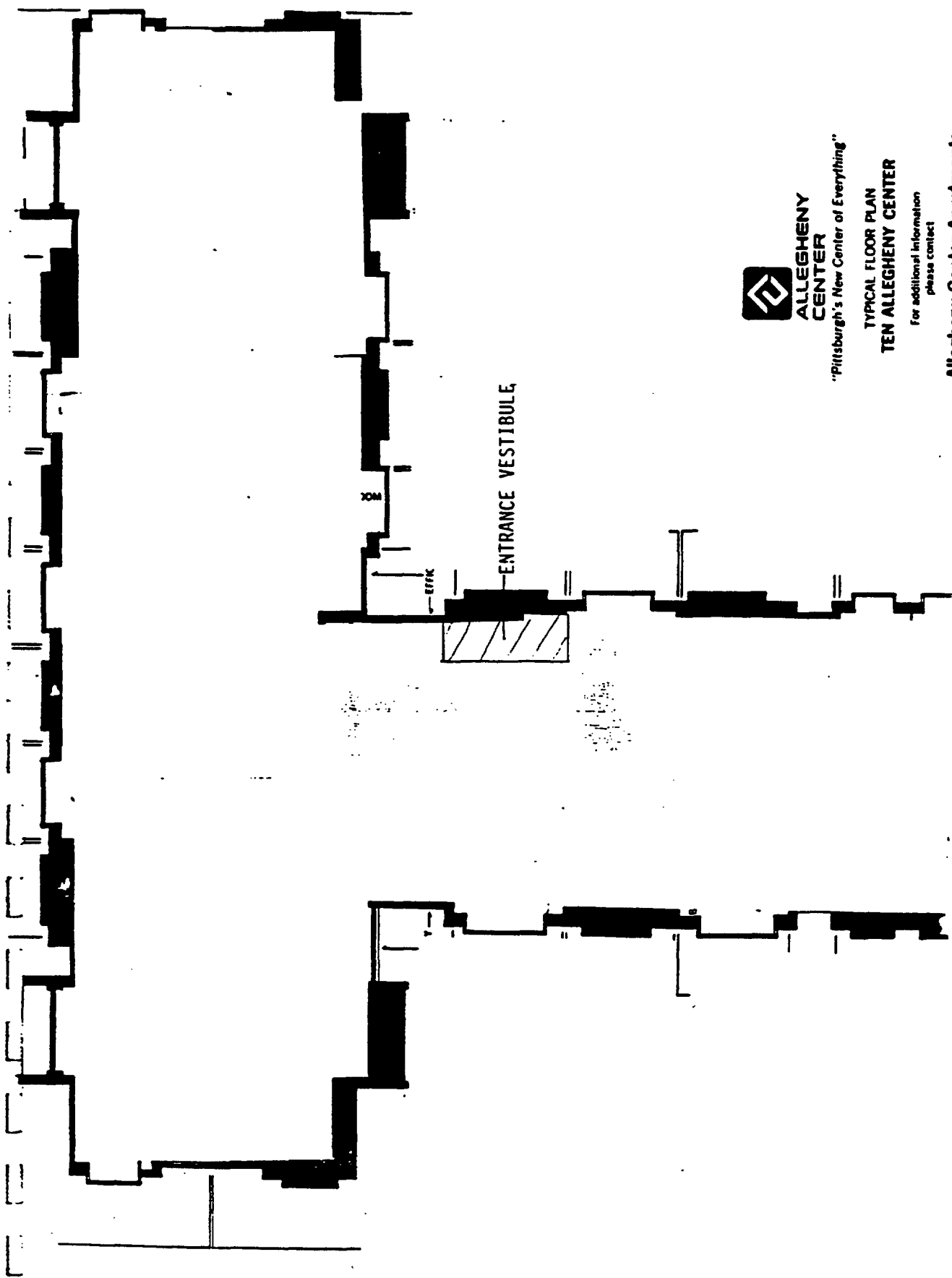
**TYPICAL FLOOR PLAN
TEN ALLEGHENY CENTER**

For additional information
please contact

Allegheny Center Associates

GROUND FLOOR

VINYL ASBESTOS FLOOR TILE



**ALLEGHENY
CENTER**
"Pittsburgh's New Center of Everything"

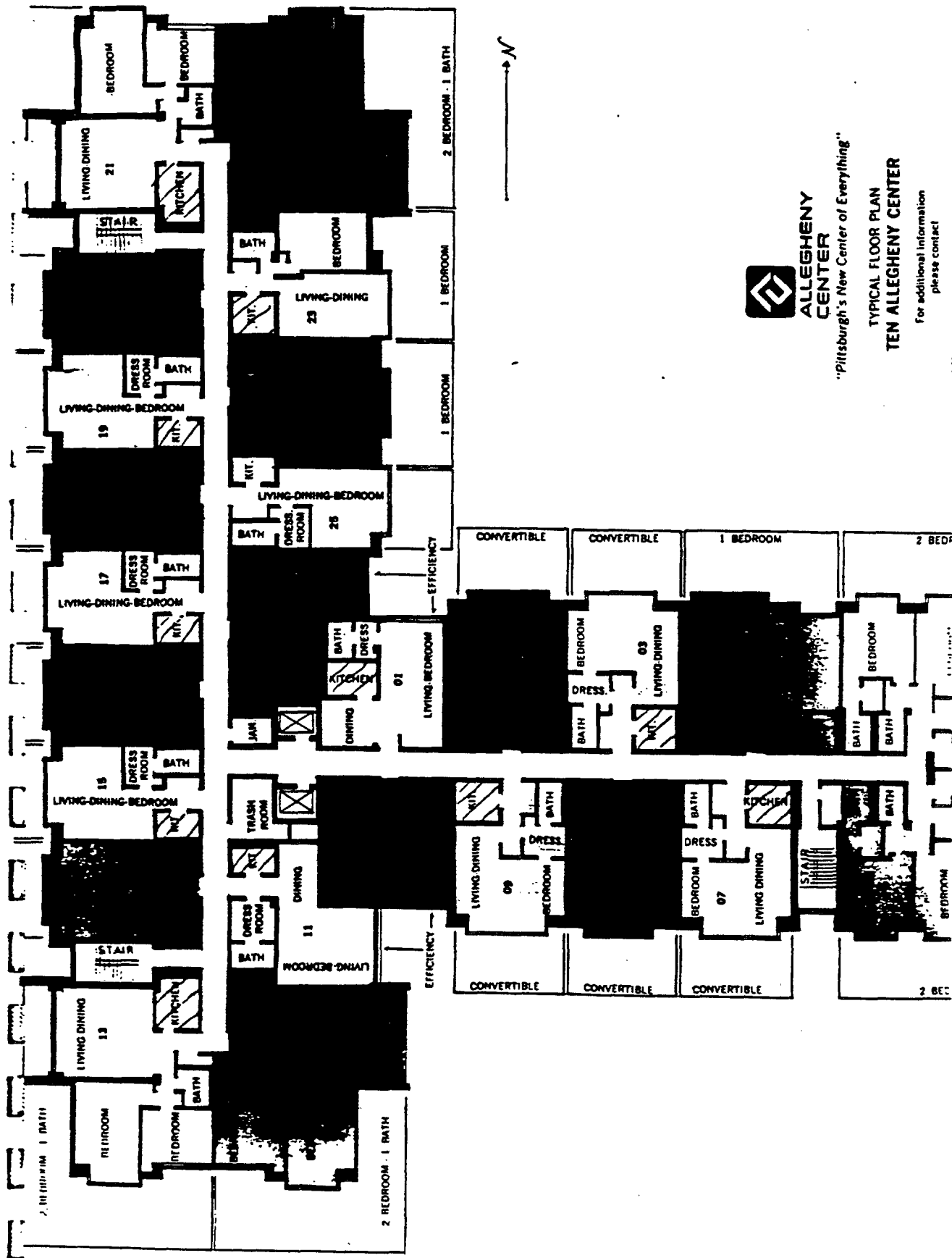
**TYPICAL FLOOR PLAN
TEN ALLEGHENY CENTER**

For additional information
please contact

Allegheny Center Associates

LOBBY FLOOR

VINYL ASBESTOS FLOOR TILE



**ALLEGHENY
CENTER**

"Pittsburgh's New Center of Everything"

**TYPICAL FLOOR PLAN
TEN ALLEGHENY CENTER**

For additional information
please contact

Allegheny Center Associates

FLOORS ONE THROUGH SEVEN

VINYL ASBESTOS FLOOR TILE (in all kitchens)